



1977 Annual Coal, Oil and Gas Report

DEPARTMENT OF MINES AND MINERALS









STATE OF ILLINOIS

*Ninety-sixth*

# COAL REPORT OF ILLINOIS

**1977**

**DEPARTMENT OF MINES AND  
MINERALS**



3 1129 00175 6378

BRAD EVILSIZER, *Director*

DANIEL CLAYBERG, *Assistant Director*

[Printed by authority of the State of Illinois.]



## LETTER OF TRANSMITTAL

STATE OF ILLINOIS,  
DEPARTMENT OF MINES AND MINERALS.

SPRINGFIELD, ILLINOIS, MAY 1, 1978

*To His Excellency, James Thompson, Governor  
State of Illinois, Springfield*

Sir: In compliance with the Illinois Revised Statutes, I am submitting herewith the Annual Report of the Illinois Department of Mines and Minerals for the year 1977. This report includes production, employment, and casualty figures for underground and surface mines; the annual report of the Division of Land Reclamation and the annual report of the Division of Oil and Gas.

Respectfully submitted,

BRAD EVILSIZER, *Director*

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#### DIVISION OF LAND RECLAMATION

#### DIVISION OF OIL AND GAS

## DIRECTORS OF ILLINOIS—DEPARTMENT OF MINES AND MINERALS

Name	Years Served	Address	Remarks
Newsam, Richard	1898-1912	Peoria	
John, Evan D.	1917-1919	Spaulding	
Thompson, Joseph C.	1919-1920	Johnston City	
Medill, Robert M.	1920-1924	Roanoke	
Bolt, Martin	1924-1926	Springfield	
Lewis, A. D.	1926-1934	Springfield	
Milhouse, John G.	1926-1930	Litchfield	
McSherry, James	1930-1934	DuQuoin	
Medill, Robert M.	1941-1947	Roanoke	
Walker, Harold L.	April 2 to October 1, 1947	Urbana	
Moses, Thomas	October 1, 1947 to February 20, 1948	Danville	Died in office.
Cruse, Robert R.	March 1, 1948 to January 16, 1949	Dowell	
Starks, James W.	January 17, 1949 to February 3, 1949	Taylorville	Died in office.
Walker, Harold L.	February 8 to April 18, 1949	Urbana	
Eadie, Walter	April 19, 1949 to January 15, 1953	West Frankfort	
Schull, B. H.	January 15, 1953 to August 31, 1961	Manon	
Orlando, W. J.	September 1, 1961 to February 14, 1963	Kincaid	
Ruff, L. Leon	February 15, 1963 to February 14, 1970	Collinsville	
Gulley, David L.	February 15, 1970 to December 31, 1971	Coello	
*McReaken, C. Dayton	January 1, 1972 to February 8, 1973	West Frankfort	
Dawe, Russell	February 9, 1973 to March 31, 1977	Valier	
Evisizer, Bradley	April 1, 1977	Christopher	

\* Acting Director

## DEPARTMENT OF MINES AND MINERALS

BRAD EVILSIZER, *Director*

Phone: 217-782-6791

Springfield, Illinois

DANIEL CLAYBERG, *Assistant Director*

Phone: 217-782-6791

Springfield, Illinois

## MINING BOARD

BRAD EVILSIZER, *Executive Officer*, Springfield, Illinois

EDNA ROACH, *Chief Clerk*, 414 East Canedy, Springfield, Illinois

DALE BIBY, *Secretary*, 510 W. Water, Pinckneyville, Illinois

WILLIAM R. COOK, 808 E. Pinzon, Tuscola, Illinois

RICHARD MOTTERSHAW, 231 Stoddard, Virden, Illinois

WILLIAM S. SMITH, 301 Memorial Drive, St. Louis, Missouri

FRANK TURNER, E. Russell Street, Carrier Mills, Illinois

G. B. WILEY, 712 S. McKinley, Harrisburg, Illinois

## MINE RESCUE STATIONS

### SUPERINTENDENTS, ASSISTANTS AND STATION ADDRESSES

Benton	-- HARRY BATES, 503 E. Main Street
Coulterville	-- WALTER MEYER, P. O. Box 158
DuQuoin	-- PAUL McCORMICK, 512 N. Hickory
Eldorado	-- CLIFFORD HAFFORD, 1411 Locust
Elizabethtown	-- LOUIS ENGLISH, First Street
Springfield	-- FRANK PETREIKIS, 609 Princeton

### ASSISTANT SUPERINTENDENTS

Benton	-- LEON WEST, 520 East Franklin, Sesser
Coulterville	-- WILLIAM COULSON, 309 E. Lyons, Marissa
DuQuoin	-- WILLIAM McCOLLUM, 524 East Keyes, DuQuoin
Eldorado	JAMES DeVILLEZ, R. R. 4, Harrisburg
Elizabethtown	-- ARCHIE CORNELL, Route 1
Springfield	--

## MINERS' EXAMINING BOARD

LEROY ROBINSON, *President*, R. R. 1, Box 149, Carterville,  
Illinois  
DAVID STECKENRIDER, *Secretary*, R. R. 3, Box 30, Carterville,  
Illinois  
BOB CARRIGAN, R. R. 2, Carrier Mills, Illinois  
JAMES STEWART, R. R. 4, Benton, Illinois

## METAL MINE INSPECTORS

FRANK GOLDEN, Herod, 62947

## GENERAL OFFICE

*Administrative Assistant*: EDNA ROACH, 414 East Canedy,  
Springfield, 62703  
*Chief-Clerk*: ROBERT ROBESON, 1004 Walnut, Beardstown,  
Illinois  
*Accountant*: ADELE FUCHS, 400 West Cook, Springfield, 62704  
*Secretary*: JANE KOHORST, 3032 Thayer Ave., Springfield,  
62704  
*Secretary II*: EVELYN CUMMINGS, 184 Wedgewood Terrace,  
Springfield, Illinois  
*Acct. Tech. I*: MARY SUE WEINHEIMER, 70 Covered Bridge  
Acres, Glenarm, 62536  
*Clerk Typist II*: BARBARA GILLMORE, P. O. Box 174, Tallula,  
Illinois



**EXPLOSIVE INSPECTION AND  
MINE TRAINING SERVICE  
BENTON, ILLINOIS**

ADMINISTRATOR: Donald Simpson, R. R. 2, Benton, Ill., 62812

INSPECTOR: James R. Storey, R. R. 1, Sesser, Ill., 62884

INSPECTOR: Lester W. Glynn, 58 Second St., LaSalle, Ill., 61301

INSPECTOR: Robert Anderson, 2917 Dale, Granite City, Ill.,  
62040

INSPECTOR: Donald Hafliger, 421 E. Esther, Taylorville, Ill.,  
62568

INSTRUCTORS: Russell Spitzner, 1201 N. Garfield, Marion, Ill.,  
62959

Thomas Pinnell, Box 73, Farmersville, Ill.,  
62533

John Fleming, 701 E. Main, DuQuoin, Ill.,  
62832

**LIST OF STATE MINE INSPECTORS AND COUNTIES  
COMPRISING THEIR RESPECTIVE DISTRICTS**

JOHN HAMMOND, Box 109, Rushville, Illinois 62681, Fulton, Knox, Mercer, Peoria, and Jo Daviess.

ALEXANDER JOHNSON, 109 South 1st Street, Cuba, Illinois 61427, Fulton, Peoria, Stark and Kankakee.

CHARLES RENSHAW, 701 South 29th Street, Mt. Vernon, Illinois 62864, Jefferson and Perry.

JOE GLADSON, P. O. Box 187, Raymond, Illinois 62560, Christian and Macoupin.

BERNARD D. MARTIN, 616 N. Silver, Taylorville, Illinois 62568, Douglas, Montgomery, and Vermilion.

MARTIN BARBER, P. O. Box 94, Johnston City, Illinois 62951, Perry, and Williamson.

GEORGE T. WILLIAMS, 702 West Jones Street, West Frankfort, Illinois 62896, Franklin, Perry, and Randolph.

ARTHUR JOE WILLIAMS, 715 Susan Esther, Benton, Illinois 62812, Perry, Randolph, and Wabash.

ROBERT PATE, *State-Inspector-at-Large*, R. R. 2, Box 339C, Harrisburg, Illinois 62946, Saline.

JOHN MORTHLAND, *State-Inspector-At-Large*, 720 North Hughes Street, West Frankfort, Illinois 62896, Jefferson and Wabash.

ROBERT JONES, 110 E. Capital, Benton, Illinois 62812, Jefferson and Perry.

ROBERT MELVIN, R. R. 1, West Frankfort, Illinois 62896, Johnson, Saline, and Williamson.

BURNETT BAILEY, R. R. 2, Marion, Illinois 62959, Gallatin and Williamson.

FRANK GOLDEN, Herod, Illinois 62947, Hardin, Pope, and Alexander.

EDMUND GREZLAK, 207 S. Main, Zeigler, Illinois 62999, Jackson, Perry, Randolph, and Williamson.

JAMES KOLISEK, 412 Bond Street, Benton, Illinois 62812, Johnson, Saline, and Williamson.

WILLIAM CROSS, Box 324, Coulterville, Illinois 62237, Perry, Randolph and Monroe.

WILBUR FRANKLIN, Box 121, Tilden, Illinois 62292, Randolph, St. Clair and Washington.

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## I *General*

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## I GENERAL—TABLE 1—

No.	Name of Operator	County	Post Office	General Superintendent
1	Amax Coal Co., Delta	Williamson	Marion	Levi Rigney
2	Amax Coal Co., Leahy	Perry	Campbell Hill	Levi Rigney
3	Amax Coal Co., Sun Spot	Fulton	Vermont	Charles Crow
4	Amax Coal Co., Wabash	Wabash	Keensburg	Robert B. Anderson
5	Big Ridge Coal Company, #1	Saline	Raleigh	Charles Maloney
6	Brown Bros. Excavating	Saline	Harrisburg	John T. Brown
7	Central States Mining "Elk"	Jackson	Marion	Frank L. White
8	Cold Water Coal Co.	Williamson	Marion	Dale McAnelly
9	Consolidation Coal Co., Burning Star #2	Perry	Du Quoin	John Shotton
10	Consolidation Coal Co., Burning Star #3	Randolph	Cutler	John Shotton
11	Consolidation Coal Co., Burning Star #4	Perry	De Soto	
12	Consolidation Coal Co., Burning Star #5	Jackson	Coftreen	Gerald A. Bayless
13	Consolidation Coal Co., Hillsboro #63	Montgomery		
14	Consolidation Coal Co., Norris	Fulton	Norris	Amos Teague
15	Crenshaw Coal Co., #1	Williamson	Carterville	Bert Chamness
16	Crenshaw Coal Co., #2	Williamson	Carterville	Bert Chamness
17	E & B Coal Company, #1	Williamson	Carterville	Bert Chamness
18	E & B Coal Company, #2	Williamson	Carterville	Bert Chamness
19	Freeman United Coal Mining Co., Crown Mine II	Macoupin	Virden	Frank Padavic
20	Freeman United Coal Mining Co., Orient #3	Jefferson	Waltonville	Richard Clark
21	Freeman United Coal Co., Orient #4	Williamson	Marion	Frank Padavic
22	Freeman United Coal Mining Co., Orient #6	Jefferson	Waltonville	Richard Clark
23	Freeman United Coal Mining Co., Fidelity #11	Perry	DuQuoin	Dale E. Walker
24	Freeman United Coal Mining Co., Buckheart #17	Fulton	Canton	Dale Walker
25	Harrisburg Coal Co., #1	Williamson	Marion	Jack Melvin
26	Illinois Coal Oil & Gas Co.	Williamson	Marion	Philip Castellano
27	Inland Steel Coal Co., #1	Jefferson	Sesser	Donald E. Jones
28	Jader Fuel Company #1	Saline	Shawneetown	Edward Downen
29	Jader Fuel Company #2, Houston	Williamson	Shawneetown	Edward Downen
30	Lee Coal Co., #1	Vermilion	Oakwood	Floyd W. Lee
31	Malone Coal Company #1	Williamson	Thompsonville	Donald Malone
32	Midland Coal Company, Allendale	Stark	Wyoming	R. D. Gilstrap
33	Midland Coal Company, Elm Mine	Peoria	Trivoli	R. D. Gilstrap
34	Midland Coal Company, Mecco	Knox	Victoria	R. D. Gilstrap
35	Midland Coal Co., Rapatee	Fulton	Middlegrove	B. Gilstrap
36	Monterey Coal Company, #1	Macoupin	Carlinville	Jon C. Jenkins
37	Monterey Coal Company, #2	Clinton	Albers	Jon C. Jenkins
38	Old Ben Coal Company, #21	Franklin	Sesser	A. J. Webster
39	Old Ben Coal Company, #24	Franklin	Benton	A. J. Webster
40	Old Ben Coal Company, #25 & J. R. Plant	Franklin	West Frankfort	A. J. Webster
41	Old Ben Coal Company, #26	Franklin	Sesser	A. J. Webster
42	Oxford Construction Company, #3	Williamson	Marion	
43	Oxford Construction Company, #4	Williamson	Marion	
44	Peabody Coal Company, #10	Christian	Pawnee	Fred Rice
45	Peabody Coal Company, Baldwin #1	Randolph	Marissa	Ramon Gothard
46	Peabody Coal Company, Eagle Surface	Gallatin	Shawneetown	Howard Herzog
47	Peabody Coal Company, Eagle #2	Gallatin	Shawneetown	Raymond Gothard
48	Peabody Coal Company, River King Mine #3	St. Clair	New Athens	Howard Herzog
49	Peabody Coal Company, River King (Surface)	Randolph	Marissa	Howard Herzog
50	Peabody Coal Company, River King UG #1	St. Clair	Freeburg	
51	Peabody Coal Company, Will Scarlet	Williamson	Stonefort	Howard Herzog
52	Robertson & Associates "Eads Mine"	Jefferson	Mt. Vernon	J. A. Daily, V. Pres.
53	Sahara Coal Company, Inc., #6	Saline	Harrisburg	Walter S. Lucas, V. Pres.
54	Sahara Coal Company, Inc., #20	Saline	Harrisburg	Walter S. Lucas, V. Pres.
55	Sahara Coal Company, Inc.	Saline	Harrisburg	Walter S. Lucas, V. Pres.
56	Southern Ill. Minerals, Carbondale #1	Williamson	Carbondale	James L. Burks
57	Southern Ill. Minerals, Oraville #2	Jackson	Carbondale	James L. Burks
58	Southern Ill. Minerals, Vergennes #4	Jackson	Carbondale	James L. Burks
59	Southern Ill. Minerals, Sato #5	Jackson	Carbondale	James L. Burks
60	Southern Ill. Minerals, Sparta #6	Randolph	Carbondale	James L. Burks
61	Southwestern Ill. Coal Corp., Streamline	Randolph	Percy	
62	Southwestern Ill. Coal Corp., Captain	Perry	Percy	William O. Walker
63	The D. D. Thomas Company, Mine #1	Williamson	Stonefort	
64	Claude White Company, North Side Mine	Williamson	Marion	Claude White
65	Williamson Coal Co., #1	Williamson	Energy	J. Vernell Choate
66	Zeigler Coal Co., #4	Williamson	Johnston City	Matthew Pigford
67	Zeigler Coal Co., #5	Douglas	Murdock	Clyde Mandrell
68	Zeigler Coal Co., #11	Randolph	Coulterville	Matt Pigford
69	Zeigler Coal Co., Murdock	Douglas	Murdock	Clyde Mandrell
70	Zeigler Coal Co., Spartan Mine #2	Randolph	Sparta	M. Pigford

# DIRECTORY OF MINES—1977

Superintendent of Mine	Local Mine Manager	Address of Main Office of Company	No.
James Shepherd		105 So. Meridian St., Indianapolis, IN 46225	1
David J. Youngs		105 So. Meridian St., Indianapolis, IN 46225	2
Jerry W. Reese		105 So. Meridian St., Indianapolis, IN 46225	3
William B. Urton		105 So. Meridian St., Indianapolis, IN 46225	4
Charles Maloney	LeRoy Sisson	Box 145, Haleigh, Illinois 62977	5
John T. Brown	Charles Maloney	P. O. Box 288, Harnsburg, IL 62946	6
Richard Rebecca	John T. Brown	1305 East Main, Marion, IL 62959	7
Dale McAnelly	Richard Rebecca	P. O. Box #72, Marion, IL 62959	8
Don Del Bosco	Dale McAnelly	P. O. Box 218, Pinckneyville, IL 62274	9
James P. Peterson	John E. Shields	P. O. Box 218, Pinckneyville, IL 62274	10
C. R. Clinton	Galen E. Mitchell	P. O. Box 218, Pinckneyville, IL 62274	11
Theodore L. Hanks		P. O. Box 218, Pinckneyville, IL 62274	12
James L. White	William Jones, Sr.	Executive Park East, 101 Plaza East Blvd., Evansville, IN 47715	13
Kevin Brooks		One Oliver Plaza, Pittsburgh, Pennsylvania 15222	14
Ronald Simpson	Ronald Simpson	Box C, Cartersville, IL 62918	15
Ronald Simpson	Ronald Simpson	Box C, Cartersville, IL 62918	16
Peter F. Homoya	Peter F. Homoya	Box C, Cartersville, IL 62918	17
Ronald Johnston	Ronald Johnston	Box C, Cartersville, IL 62918	18
Harry A. Combs	J. W. Burke	P. O. Box 100, West Frankfort, IL 62896	19
George Higgins	Donald Coloni	300 W. Washington, Chicago, IL 60606	20
Ben Kincer	Wayne Hankins	300 W. Washington Ave., Chicago, IL 60606	21
Pete M. Helmer	Richard G. Dawson	300 W. Washington Ave., Chicago, IL 60606	22
Oscar W. Ernst	Oscar W. Ernst	300 W. Washington Ave., Chicago, IL 60606	23
Dale Walker	R. D. Campbell	300 W. Washington Ave., Chicago, IL 60606	24
Don Miller	Don Miller	1305 N. Yale Ave., Box 125-B, Marion, IL 62959	25
Philip Castellano	Philip Castellano	909 South Russell St., Marion, IL 62959	26
Jay P. Gibson	Jay P. Gibson	Box 566, Sesser, IL 62884	27
Edward Downen	William J. DeVous	P. O. Box 620, Shawneetown, IL 62984	28
Edward Downen	Bill Pate	P. O. Box 620, Shawneetown, IL 62984	29
Floyd W. Lee	Floyd W. Lee	P. O. Box 188, 15 W. Main St., Oakwood, IL 61858	30
Donald Malone	Donald Malone	R.R. #1, Thomsonville, IL 62890	31
	R. D. Macy	P. O. Box 2502X, Galesburg, IL 61401	32
	J. W. Grimm	P. O. Box 8, Trivoli, IL 61569	33
A. Walters		P. O. Box 8, Trivoli, IL 61569	34
Bernard Shear		Trivoli, IL 61569	35
A. Marshall		R.R. #3, P. O. Box 496, Carlinville, IL 62626	36
A. B. Floyd	W. R. Moore	P. O. Box 496, Carlinville, IL 62626	37
G. L. Roberts	D. R. Lange	125 S. Wacker Drive, Chicago, IL 60606	38
W. A. Young	J. W. Merrill	125 S. Wacker Drive, Chicago, IL 60606	39
L. T. Grogan	J. T. Green	125 S. Wacker Drive, Chicago, IL 60606	40
C. C. McCormick	C. K. Mauzy	125 S. Wacker Drive, Chicago, IL 60606	41
R. M. Spilman	R. L. Doty	200 West Jefferson Street, Marion, IL 62959	42
	Harry Oxford	200 West Jefferson Street, Marion, IL 62959	43
	Harry Oxford	301 N. Memorial Drive, St. Louis, MO 63102	44
Gene Taglioli	Edward Drea	301 N. Memorial Drive, St. Louis, MO 63102	45
John E. Hull	William H. Jones	301 North Memorial Drive, St. Louis, MO 63102	46
Carroll G. Embry	Curtis Dement	P. O. Box 235, St. Louis, MO 63166	47
Robert E. Nerone	Charles Dixon	301 N. Memorial Drive, St. Louis, MO 63102	48
Harold Phillips	Harold Phillips	301 N. Memorial Drive, St. Louis, MO 63102	49
Dennis Stevenson		301 N. Memorial Drive, St. Louis, MO 63102	50
Charles E. Moake	Herbert D. Hitt	301 N. Memorial Drive, St. Louis, MO 63102	51
Ron Menzie		1620 Commerce Union Bank Bldg., Chattanooga, Tenn 37450	52
Dan R. Wild	Dan R. Wild	332 S. Michigan Ave., Room 801, Chicago, IL 60604	53
Carl D. Griffiths	Dayton Dallas	332 S. Michigan Ave., Room 801, Chicago, IL 60604	54
Tom Goldman	Thurman Guley	332 S. Michigan Ave., Room 801, Chicago, IL 60604	55
Tom Goldman	John H. Lane	P. O. Box 3281, Carbondale, IL 62901	56
Garnett Cochran	J. T. Johnson	P. O. Box 3281, Carbondale, IL 62901	57
Bob Sabelhaus	J. T. Johnson	P. O. Box 3281, Carbondale, IL 62901	58
	J. T. Johnson	P. O. Box 3281, Carbondale, IL 62901	59
Ray Shingleton	J. T. Johnson	P. O. Box 3281, Carbondale, IL 62901	60
C. E. Vores	J. T. Johnson	500 Broadway Building, St. Louis, MO	61
Alfred Walton		P. O. Box 14743, St. Louis, MO 63178	62
Marvin A. Ude			63
Jerry White	Jerry White	P. O. Box 37, Marion, IL 62959	64
		P. O. Box 10, Energy, IL 62933	65
Clarence A. Frost	Guy N. Mitchell	P. O. Box 66913 A M F, O'Hare, IL 60666	66
C. D. McReaken	John Parker	Box 66913, A M F, O'Hare, IL 60666	67
Robert H. Wallace	Harold Talley	Box 66913, A M F, O'Hare, IL 60666	68
Robert Hinkle	Bill Winger	Box 66913, A M F, O'Hare, IL 60666	69
H. E. McIntyre	F. M. Lemon	Box 66913, A M F, O'Hare, IL 60666	70

## MINES SUSPENDING OPERATIONS DURING 1977 SHOWING MONTH OF LAST OPERATION

Mine Index Number	Operator	County	Month of Last Operation
L-263	Harry & Russell Oxford Construction Company, Oxford #2	Williamson	5/77

## MINES ABANDONED DURING 1977 SHOWING MONTH OF LAST OPERATION

Mine Index No.	Operator	County	Month of Last Operation
L-73	Central States Mining Company	Jackson	11/77
L-262	Dwight Thomas Coal Company	Williamson	8/77
L-14	Harry & Russell Oxford Construction Co.	Johnson	8/77
L-260	Illinois Coal, Oil and Gas #1	Williamson	8/77
S-1	Midland Coal Company, Allendale Mine	Stark	5/77
L-13	Oxford Construction Company #1	Johnson	12/76*
S-21	Pine Ridge Fuel, Inc.	Randolph	7/76*
L-74	Southern Illinois Minerals Corporation	Jackson	10/77
L-256	Southern Illinois Minerals Corporation, Carbondale #1	Williamson	7/77

\*Omitted 1976 Annual Coal Report

## NAME CHANGES DURING 1977

Mine Index No.	Former Name of Company	County	Present Name of Company	Month Name Changed
S-4	Peabody Coal Company, Baldwin #2	Washington	Peabody Coal Company, Marissa Mine	12/77
L-256	Three State Trucking Co.	Williamson	Southern Illinois Minerals Corp., Carbondale #1	5/77
L-11	Pryor Mountain Construction, Pine Ridge Mine	Randolph	Southern Illinois Minerals Corp., Simco #6	10/77

## MINES REOPENED DURING 1977

Mine Index No.	Name of Operator When Mine Suspended Operations	Month & Year of Last Operation	County	Name of Operator When Mine Reopened	Month Re-opened
L-77	Parton Coal Co.	7/69	Williamson	Parton Coal Co.	4/77

## NEW MINES OPENED - 1977

Mine Index Number	Operator	County	Month Mine Opened
S-58	Amax Coal Co., Delta Expansion Mine	Saline	1/76*
L-268	Crenshaw Coal Co. #1	Williamson	10/77
L-267	Crenshaw Coal Co. #2	Williamson	6/77
L-264	E & B Coal Co. #2	Williamson	5/77
L-269	Illinois Coal Oil & Gas #2	Williamson	8/77
L-14	Harry & Russell Oxford Construction Co., Oxford #3	Johnson	3/77
L-270	Morris Coal, Inc. #5	Williamson	9/77
L-266	North Side Coal Company	Williamson	4/77
S-28	Old Ben Coal Company #27	Franklin	8/76*
L-265	Oxford Construction Co., M.F. Oxford #4	Williamson	6/77
S-4	Peabody Coal Co., Marissa Mine	Washington	8/77
L-76	Southern Illinois Minerals Corp., Sato #5	Jackson	4/77

\*Construction started in 1976 - Omitted in 1976 Coal Report

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## II *Production*

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I GENERAL—TABLE 2  
GENERAL STATEMENTS WITH COMPARATIVE FIGURES—1973-1977

	1977	1976	1975	1974	1973
<b>COUNTIES AND MINES</b>					
Number of counties producing coal . . . . .	21	20	20	21	22
Number of mines operated . . . . .	70	62	57	55	56
Number of underground mines . . . . .	25	23	21	23	24
Number of strip mines . . . . .	45	39	36	32	32
<b>OUTPUT OF TONS</b>					
All mines . . . . .	53,880,434	58,136,144	59,539,019	58,072,640	61,548,670
Underground mines . . . . .	29,588,977	30,911,696	31,880,083	31,104,112	32,577,353
Strip Mines . . . . .	24,291,457	27,224,448	27,658,936	26,968,528	28,971,317
<b>DISPOSITION</b>					
Tons handled by railroads . . . . .	42,525,277	47,751,925	48,548,219	47,618,180	51,291,010
Tons loaded on barge for shipment . . . . .	2,300,919	2,966,472	2,962,926	2,231,921	2,169,781
Tons disposed of otherwise . . . . .	9,054,238	7,417,747	8,027,874	8,222,539	8,087,879
<b>EMPLOYEES</b>					
Underground mines . . . . .	11,375	10,396	9,549	8,718	7,794
Strip mines . . . . .	4,739	4,335	4,097	3,749	3,615
All mines . . . . .	16,114	14,731	13,646	12,467	11,409
<b>MINING METHODS</b>					
Number of mining machines in use . . . . .	55	48	47	36	35
Tons mined by machine . . . . .	29,588,977	30,911,696	31,880,083	31,104,112	31,577,353
Tons mined by stripping . . . . .	24,291,457	27,224,448	27,658,393	26,968,528	28,971,317
<b>LOADING</b>					
Number of mechanical loaders in use . . . . .	66	65	52	35	31
Continuous mining machines in use . . . . .	175	167	138	133	133
Tons loaded mechanically . . . . .	29,588,977	30,911,696	31,880,083	31,104,112	32,577,353
Tons loaded by hand . . . . .					
<b>EXPLOSIVES</b>					
Pounds of explosives used for blasting overburden . . . . .	34,765,467	40,617,405	50,340,544	45,414,647	85,691,327
Pounds of pellet powder used . . . . .			8,416	119,650	
Pounds of dynamite used . . . . .	427,165	546,374	6,182,805	9,230,510	1,760,640
Pounds of permissible used . . . . .	3,461,999	4,020,283	265,250	21,454,270	69,339
<b>HAULAGE</b>					
Number of motors used in underground haulage . . . . .	116	72	142	104	97
<b>CASUALTY</b>					
Number of fatal accidents . . . . .	4	3	8	12	6
Number of non-fatal accidents . . . . .	1,030	721	577	465	488
Tons mined to one man killed . . . . .	13,470,108	19,378,715	7,442,377	4,839,387	10,258,111
Tons mined to one man injured . . . . .	52,311	80,633	103,187	124,887	126,124
Number employed to one man killed . . . . .	4,028	4,911	1,706	1,039	1,902
Number employed to one man injured . . . . .	15	21	24	27	23
<b>MISCELLANEOUS</b>					
Number of mines using closed lights . . . . .	26	23	21	23	24
Number of mines using compressed air machines . . . . .	13	12	10	11	11
Number of mines using continuous miners . . . . .	17	17	15	17	17



II PRODUCTION—TABLE 3—  
AVERAGE MAN-DAY PRODUCTION—ALL MINES

County	Reports Tabulated	Man Days	Tons Mined	Percent of Mines Reported	Average Tons Per Man-Day
CHRISTIAN					
Underground Mines	1	204,319	2,807,593	100%	13.7
Surface Mines					
CLINTON					
Underground	1	17,032	99,504	100%	5.8
Surface Mines					
DOUGLAS					
Underground Mines	2	183,503	2,677,394	100%	14.5
Surface Mines					
FRANKLIN					
Underground Mines	4	368,341	4,750,772	100%	12.9
Surface Mines					
FULTON					
Underground Mines					
Surface Mines	4	171,692	2,759,200	100%	16.0
GALLATIN					
Underground Mines	1	139,382	1,075,785	100%	7.7
Surface Mines	1	51,938	530,629	100%	10.2
JACKSON					
Underground Mines					
Surface Mines	5	69,567	1,467,700	100%	21.1
JEFFERSON					
Underground Mines	3	481,592	4,333,868	100%	9.0
Surface Mines	1	18,445	434,219	100%	23.5
JOHNSON					
Underground Mines					
Surface Mines	1	40	1,100	100%	27.5
KNOX					
Underground Mines					
Surface Mines	1	55,440	1,151,893	100%	20.7
MACOUPIN					
Underground Mines	2	205,233	3,622,966	100%	17.6
Surface Mines					
MONTGOMERY					
Underground Mines	1	119,067	1,854,058	100%	15.5
Surface Mines					
PEORIA					
Underground Mines					
Surface Mines	1	34,996	917,492	100%	26.2
PERRY					
Underground Mines					
Surface Mines	5	343,454	9,559,010	100%	27.8
RANDOLPH					
Underground Mines	3	197,447	2,573,187	100%	13.0
Surface Mines	4	227,958	4,581,057	100%	20.1
ST. CLAIR					
Underground Mines	1	140,532	1,775,574	100%	12.6
Surface Mines	1	37,270	449,735	100%	12.0
SALINE					
Underground Mines	2	112,571	968,359	100%	8.6
Surface Mines	4	46,963	839,357	100%	17.8
STARK					
Underground Mines					
Surface Mines	1	6,579	110,187	100%	16.7
VERMILION					
Underground Mines					
Surface Mines	1	2,016	121,560	100%	60.3
WABASH					
Underground Mines	1	136,008	1,717,690	100%	12.6
Surface Mines					
WILLIAMSON					
Underground Mines	3	153,151	1,332,227	100%	8.7
Surface Mines	15	94,637	1,368,318	100%	14.4

II PRODUCTION—TABLE 4—OUTPUT OF ALL MINES  
BY MONTHS—1972 to 1977

Months	1972	1973	1974	1975	1976	1977
January	5,689,592	5,543,363	5,290,916	5,687,327	5,164,219	3,665,740
February	5,582,650	5,381,509	5,182,863	5,274,692	4,812,544	3,058,020
March	6,430,286	5,192,143	5,518,524	5,171,760	5,239,447	3,834,801
April	5,615,286	4,520,873	5,491,117	5,231,959	5,215,978	5,409,434
May	5,903,416	5,243,804	5,778,212	5,371,466	4,945,786	5,414,362
June	5,495,362	4,638,840	4,687,146	4,938,757	4,747,515	4,959,872
July	4,732,581	4,759,912	4,993,010	3,940,784	3,683,146	3,695,851
August	5,058,376	5,955,489	4,673,652	3,830,361	3,717,225	5,022,313
September	5,632,650	5,147,423	5,335,476	5,007,733	5,248,249	5,263,669
October	5,727,856	5,761,093	6,253,686	5,370,760	5,201,458	5,411,786
November	4,833,447	4,706,717	1,841,943	4,766,706	5,113,209	5,320,998
December	4,819,892	4,697,505	3,086,095	4,946,714	5,047,368	823,588
TOTAL	65,521,394	61,548,670	58,132,640	59,539,019	58,136,144	53,880,434

II PRODUCTION—TABLE 5—NUMBER OF ALL MINES  
OPERATED AND AVERAGE DAYS WORKED EACH MONTH  
1972 to 1977

Months	1972		1973		1974		1975		1976		1977	
	Mines	Days	Mines	Days	Mines	Days	Mines	Days	Mines	Days	Mines	Days
January	55	21	49	21	50	25	48	20	53	21	57	16
February	55	20	48	20	51	23	49	19	53	19	56	14
March	53	22	49	19	51	23	50	19	54	21	59	22
April	52	20	47	17	51	23	51	20	56	20	61	17
May	54	21	47	19	51	25	46	21	56	19	63	20
June	54	19	49	17	51	23	47	19	57	20	61	18
July	53	18	50	17	51	24	50	16	56	17	63	16
August	53	20	50	21	51	20	51	16	57	17	62	20
September	56	21	50	19	51	22	52	21	59	25	61	20
October	54	21	48	21	51	26	52	21	58	21	61	20
November	53	19	59	17	50	8	53	18	60	21	61	20
December	50	19	50	22	46	13	52	19	58	20	53	4

II PRODUCTION—TABLE 6—RELATIVE RANK OF COUNTIES  
PRODUCING 500,000 TONS OR MORE—1973 to 1977[illegible]

**II PRODUCTION—TABLE 7—TONS OF COAL PRODUCED,  
AVERAGE DAYS WORKED, NUMBER OF MINES  
OPERATED, AND NUMBER OF EMPLOYEES IN ALL  
SHIPPING MINES, WITH PERCENTAGES BY YEARS FROM  
1920 TO 1968 INCLUSIVE, \*ALL MINES—1969-1977**

Years	All Mines				Strip Mines				Percentage of strip mines		
	Number of—		Average days worked	Tons produced	Number of—		Average days worked	Tons produced	Percentage of strip mines		
	Mines	Men			Mines	Men			Mines	Men	Tons
1920	373	85,037	176	72,409,610	3	217	149	367,009	0.08	0.25	0.57
1921	389	92,080	174	78,339,082	3	242	183	437,006	0.08	0.26	0.56
1922	352	83,681	127	61,406,093	5	446	134	533,923	1.42	0.48	0.87
1923	374	99,081	146	73,410,837	6	412	180	895,608	1.60	0.42	1.22
1924	338	85,499	139	70,324,363	11	611	155	1,184,288	3.25	0.64	1.68
1925†	255	77,629	231	100,012,299	18	1,181	264	4,722,597	7.06	1.52	4.72
1926	244	73,497	155	67,836,441	16	1,203	176	3,482,611	6.56	1.64	5.13
1927	241	74,117	112	44,926,433	15	1,139	138	2,756,410	6.22	1.54	6.14
1928	206	61,154	152	54,284,184	14	1,149	206	4,113,908	6.80	1.88	7.58
1929	200	54,721	162	59,075,995	17	1,518	176	5,250,501	8.50	2.77	8.89
1930	185	51,215	145	51,996,608	15	1,519	181	6,220,336	8.11	2.97	11.96
1931	167	47,024	130	43,073,058	15	1,591	164	6,576,677	8.92	3.38	15.27
1932	162	44,078	107	31,402,399	17	1,769	163	6,628,228	10.50	4.00	21.11
1933	159	40,660	131	35,390,677	20	1,890	131	5,599,006	12.58	4.65	15.82
1934	172	40,943	147	38,655,527	26	2,042	134	6,008,218	15.12	4.99	15.54
1935	182	40,496	147	41,410,414	28	2,338	148	7,088,104	15.38	5.77	17.72
1936	176	40,011	153	47,285,587	30	2,803	141	8,873,299	17.04	7.00	18.16
1937	168	38,553	152	48,062,076	30	3,133	152	11,176,074	17.85	8.12	23.25
1938	149	35,247	135	38,442,859	25	2,881	153	10,058,999	16.77	8.17	26.16
1939	146	33,034	140	42,994,107	26	2,854	170	11,295,547	17.80	8.63	26.27
1940	139	29,695	140	46,071,806	27	2,873	176	12,024,635	17.87	9.6	26.1
1941	143	30,258	168	51,033,319	30	3,169	175	13,367,089	20.9	10.4	26.1
1942	141	30,262	201	61,124,628	28	3,495	209	15,937,681	20.5	11.8	26.1
1943	141	28,753	241	68,971,621	26	3,431	212	15,484,712	18.0	11.9	22.0
1944	157	29,010	230	73,958,923	31	3,730	204	17,108,528	19.7	12.8	23.1
1945	159	28,198	224	70,322,301	37	3,481	198	16,203,763	23.2	12.3	22.0
1946	160	29,745	196	60,932,785	36	3,479	166	14,302,739	22.7	11.7	23.5
1947	160	29,594	220	64,612,627	38	3,702	208	17,827,339	22.2	12.5	27.4
1948	160	29,803	186	62,494,412	45	4,064	172	16,758,306	28.1	13.6	26.8
1949	157	28,520	133	44,772,617	45	4,248	120	12,835,980	28.6	14.9	28.8
1950	149	28,246	161	54,356,918	39	3,729	151	16,469,126	26.1	13.2	30.3
1951	136	26,936	158	52,595,098	33	3,429	191	17,289,932	24.3	12.7	32.9
1952	111	21,674	151	43,274,400	27	3,066	175	15,340,989	24.3	14.1	35.5
1953	97	17,201	153	43,847,321	29	3,076	168	15,495,734	29.9	17.8	35.3
1954	87	15,252	152	40,017,802	28	2,889	168	15,388,078	32.2	18.8	38.5
1955	85	12,418	169	43,880,729	35	2,879	170	17,535,630	41.2	23.2	40.0
1956	88	11,857	167	45,538,998	42	3,038	157	18,041,603	47.7	25.6	39.6
1957	92	11,604	164	44,532,214	50	3,154	150	18,439,200	54.3	27.2	41.4
1958	85	10,313	158	41,856,967	49	3,402	141	19,318,772	57.6	33.0	46.1
1959	83	10,027	162	43,515,737	46	3,185	152	20,532,528	55.4	31.8	47.2
1960	78	9,772	171	43,703,382	40	3,168	167	20,946,382	51.3	32.4	47.9
1961	67	8,252	177	42,825,911	36	3,114	181	20,999,859	53.7	37.7	49.0
1962	64	7,892	182	45,262,974	37	2,984	183	22,482,457	57.8	37.8	49.7
1963	67	8,002	187	48,375,564	42	3,089	177	25,194,264	65.7	38.6	52.1
1964	68	8,225	185	51,888,467	40	3,091	186	27,863,966	68.8	37.6	53.7
1965	63	8,135	195	55,452,130	39	3,053	173	30,714,714	61.9	37.5	55.4
1966	56	8,298	200	59,261,953	35	3,143	195	33,726,863	62.5	37.9	56.9
1967	52	8,054	261	60,488,521	32	3,129	210	34,794,177	61.5	38.8	57.5
1968	48	8,547	202	57,670,671	25	3,173	219	34,142,920	52.1	37.1	59.2
1969	62	9,591	206	64,832,584	34	3,647	202	34,659,957	54.8	38.0	53.5
1970	64	10,214	206	64,884,103	35	3,429	198	33,268,533	54.7	33.6	51.3
1971	63	10,571	184	58,415,239	36	3,483	161	28,961,313	57.1	32.9	49.6
1972	59	11,237	219	65,521,394	33	3,367	216	33,805,599	55.9	32.9	51.6
1973	55	11,409	211	61,548,670	32	3,615	197	28,971,317	57.1	31.7	47.1
1974	56	12,467	217	58,072,640	32	3,749	191	26,968,528	58.2	30.1	46.4
1975	57	13,646	205	59,539,019	36	4,097	189	27,658,936	63.2	30.0	46.5
1976	62	14,731	212	58,136,144	39	4,335	202	27,224,448	62.9	29.4	46.8
1977	70	16,114	197	53,880,434	45	4,739	171	24,291,457	64.3	29.4	45.1

†From July 1, 1924 to December 31, 1925.

\*Statistics from 1969 to present not comparable with those for prior years as they include local mines which were not reported previously in this table.

**II PRODUCTION—TABLE 8—MINES AND PRODUCTION**

1977	1976	Increase (+) Decrease (-)	Percent of Increase (+) Decrease (-)
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Mine Index Number	County, name of operator and mine	Name or number of mine	Post Office address of mine	Number of days in operation and tons of coal mined							
				January		February		March		April	
				Days	Tons	Days	Tons	Days	Tons	Days	Tons
S-8	CHRISTIAN COUNTY Peabody Coal Company	#10	Pawnee	21	289,643	20	275,809	22	295,640	20	236,680
S-4	CLINTON COUNTY Monterey Coal Company #2	#2	Albers							15	
S-1 S-3	DOUGLAS COUNTY Zeigler Coal Company Zeigler Coal Company	#5	Murdock Murdock	22 20	110,705 108,242	20 19	113,818 132,853	24 23	144,705 159,214	20 20	123,901 127,465
	Average Days and Total Tons			21	218,947	20	246,671	24	303,919	20	251,366
S-23 S-25 S-27 S-26	FRANKLIN COUNTY Old Ben Coal Company Old Ben Coal Company Old Ben Coal Company Old Ben Coal Company	#21 #24 #25 #26	Sesser Benton W. Frankfort Sesser	20 20 12 20	136,325 167,412 1,734 112,122	12 12 12 12	90,345 119,898 7,374 62,556	22 22 26 21	189,258 218,422 8,617 164,798	20 20 25 20	160,456 193,423 8,796 149,788
	Average Days and Total Tons			20	415,859	12	274,533	23	581,095	21	512,463
S-45 S-43 S-44 S-26	FULTON COUNTY Midland Coal Company Amax Coal Co. Sun Spot Consolidation Coal Co. Freeman United Coal Mining Co.	Norris Buckheart #17	Middlegrove Vermont Norris Canton	15 17 15 11	35,151 37,257 43,647 49,284	16 11 13 14	35,624 30,448 39,662 72,607	23 17 19 21	49,664 39,263 76,597 102,797	20 15 18 20	37,685 39,184 68,892 96,706
	Average Days and Total Tons			15	165,339	14	178,341	20	268,321	18	242,467
S-3 S-1	GALLATIN COUNTY Peabody Coal Company, Eagle Peabody Coal Co., Eagle Surface	#2	Shawneetown Shawneetown	21 19	92,565 36,625	17 15	98,409 50,279	25 16	137,553 53,568	21 13	103,041 50,337
	Average Days and Total Tons			20	129,190	16	148,688	20	191,121	17	153,378
S-3 S-9 *L-74 *L-75 *L-74	JACKSON COUNTY Central States Mining Consolidation Coal Co., Burning Star Southern Ill. Minerals, Oraville Southern Ill. Minerals, Vergennes Southern Ill. Minerals, Sato	"Elk" #5 #2 #4 #5	Marion DeSoto Oraville Vergennes Carbondale	8 9 19 19 14	1,563 45,334 138,295 21,145	7 11 11 19	10,000 61,522 83,011 22,932	10 21 15 16 16	1,401 95,160 5,970 9,632 2,409	10 25 15 16 16	10,000 127,394 14,235 39,604 2,409
	Average Days and Total Tons			9	46,897	9	61,522	16	112,163	17	144,038
S-3 S-6 S-5 S-7	JEFFERSON COUNTY Freeman United Coal Mining, Orient Freeman United Coal Mining, Orient Inland Steel Coal Company Robertson & Associates, Inc.	#3 #6 #1 "Eads"	Waltonville Waltonville Sesser Mt. Vernon	21 18 19 14	146,129 57,376 138,295 21,145	9 4 11 19	66,959 16,109 83,011 22,932	24 21 22 22	161,541 158,540 194,516 40,018	21 22 18 19	146,693 189,180 168,867 39,604
	Average Days and Total Tons			18	362,945	11	189,011	22	554,615	20	544,344
L-14	JOHNSON COUNTY Oxford Construction Company	#3	Marion								
S-4	KNOX COUNTY Middletown Coal Company	#1	Middletown	20	20,544	20	27,001	20	110,610	20	100,000

## AND DAYS WORKED EACH MONTH IN 1977

Number of days in operation and tons of coal mined

	May		June		July		August		September		October		November		December		Total		Mine Index Number
Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	
21	264,095	18	226,859	15	185,350	21	254,067	21	237,585	20	244,907	21	254,335	3	42,623	223	2,807,593	S 8	
24	.....	20	15,235	13	6,267	19	13,283	19	18,643	20	18,590	16	27,486			146	99,504	S 4	
21	115,996	21	116,585	12	59,998	21	114,968	23	134,452	22	125,748	24	155,184	4	16,117	234	1,332,177	S 1	
20	127,161	22	140,080	11	66,055	21	114,642	20	104,873	21	124,559	22	123,221	4	16,852	223	1,345,217	S 3	
20	243,157	22	256,665	12	126,053	21	229,610	22	239,325	22	250,307	23	278,405	4	32,969	229	2,677,394		
21	148,489	18	131,229	16	84,326	19	121,743	17	109,968	20	141,935	20	126,983	3	24,522	208	1,465,579	S 23	
21	175,393	18	131,331	16	95,794	18	150,223	17	128,378	20	156,110	21	181,876	3	27,812	208	1,746,072	S 25	
24	18,651	22	31,662	13	23,750	21	47,273	20	66,662	24	79,925	24	74,296	4	17,881	215	379,247	S 27	
13	98,821	18	98,313	16	72,938	19	97,112	15	81,828	20	107,487	20	96,318	2	17,793	196	1,159,874	S 26	
20	441,354	19	392,535	15	276,808	19	416,351	17	386,836	21	485,457	21	479,473	3	88,008	207	4,750,772		
21	38,006	22	26,677	20	913	23	32,054	21	50,737	20	68,760	21	62,622	2	11,792	224	449,685	S 45	
15	43,380	20	57,106	11	35,848	17	48,012	19	79,100	17	69,128	18	76,185	1	4,280	178	559,191	S 43	
20	79,304	22	81,653	10	34,829	16	61,148	18	69,933	15	55,382	19	63,121	2	5,118	187	679,286	S 44	
22	119,754	20	104,855	17	87,780	24	119,635	21	101,957	21	100,924	21	101,565	3	13,174	215	1,071,038	S 26	
20	280,444	21	270,291	15	159,370	20	260,849	19	301,727	18	294,194	18	303,493	2	34,364	201	2,759,200		
21	90,606	22	89,833	10	38,958	23	99,143	24	96,785	25	111,520	25	104,061	3	13,311	237	1,075,785	S 3	
13	48,472	15	54,170	12	43,777	11	39,348	13	48,759	17	58,463	17	46,831		.....	161	530,629	S 1	
17	139,078	18	144,003	11	82,735	17	138,491	18	145,544	21	169,983	21	150,892	3	13,311	199	1,606,414		
11	2,429	15	7,524	11	1,201	9	.....	8	1,290	15	8,414	11	3,308		.....	115	27,130	S 3	
23	124,371	2	3,075	22	154,195	16	60,442	22	177,451	24	239,053	22	209,274	4	31,087	201	1,328,358	S 9	
25	6,560	21	5,363	27	7,000	22	12,437	15	869		.....		.....		.....	140	52,434	L 74	
24	9,919	21	7,515	25	8,014	21	7,681	26	5,834	25	2,844	20	5,930		.....	16	9,632	L 75	
21	143,279	15	23,477	22	170,410	17	80,560	18	185,444	9	250,311	7	218,513	4	31,087	154	1,467,700	L 74	
19	131,513	21	138,622	17	104,079	14	96,683	20	135,501	23	138,229	21	145,807	3	24,555	213	1,436,311	S 3	
23	141,114	19	106,707	18	80,802	16	103,113	20	152,425	23	128,809	24	122,180	4	47,412	212	1,303,767	S 6	
21	167,886	18	119,494	15	98,652	19	127,872	18	136,233	22	146,359	22	174,188	4	38,417	209	1,593,790	S 5	
23	44,456	16	29,704	17	37,032	24	46,127	19	45,619	14	33,236	20	46,292	10	28,054	217	434,219	S 7	
22	484,969	19	394,527	17	320,565	18	373,795	19	469,778	21	446,633	22	488,467	5	138,438	213	4,768,087		
20	1,100		.....													40	1,100	L 14	

## II PRODUCTION—TABLE 9—OUTPUT OF ALL MINES

Mine index number	County, name of operator and mine	Name or number of mine	Post Office address of mine	Number of days in operation and tons of coal mined							
				January		February		March		April	
				Days	Tons	Days	Tons	Days	Tons	Days	Tons
	MACOUPIN COUNTY										
S-20	Freeman United Coal Mining Co.,		Virden	9	14,341	12	55,265	26	121,651	23	104,497
S-19	Crown II Mine		Carlinville	2	23,964	9	118,662	22	288,248	21	284,443
	Monterey Coal Company.										
	Average Days and Total Tons			6	38,305	11	173,927	24	409,899	22	388,940
	MONTGOMERY COUNTY										
S-5	Consolidation Coal Co.	Hillsboro	Coffeen	21	173,155	15	138,323	24	221,469	21	199,430
	PEORIA COUNTY										
S-4	Midland Coal Co., Elm Pit #1		Peoria	30	70,915	28	84,746	31	110,944	29	102,485
	PERRY COUNTY										
S-34	Southwestern Illinois Coal Corp.,		Percy	18	145,068	14	85,775	26	371,401	26	271,755
S-14	Freeman United Coal Mining,										
	Fidelity	#11	DuQuoin	7	33,391			15	89,665	19	119,256
S-33	Consolidation Coal Co.,										
	Burning Star	#2	DuQuoin	17	88,012	10	46,488	23	115,167	21	118,834
S-36	Consolidation Coal Co.,										
	Burning Star	#4	Cutler	14	105,479	9	60,726	22	166,936	25	226,758
S-35	Amx Coal Co., Leahy Mine.		Campbell Hill	24	195,534	12	106,306	25	256,949	24	264,587
	Average Days and Total Tons			16	567,484	12	299,295	22	1,000,118	23	1,001,190
	RANDOLPH COUNTY										
S-19	Consolidation Coal Co.,		Sparta	25	50,119	14	32,773	26	75,022	25	103,595
	Burning Star	#3	Marissa	24	162,778	15	92,145	26	205,393	24	142,891
S-20	Peabody Coal Co., Baldwin Mine.			20	143,828	8	92,885	24	235,390	21	204,743
S-23	Peabody Coal Co.	Pit 6	Carbondale								
L-11	Southwestern Illinois Coal Corp.,	Sparta 6									
S-7	Streamline Mine										
	Streamline Mine		Percy	6	31,267	7	27,048	24	132,160	23	101,154
S-17	Zeigler Coal Co., Spartan Mine		Sparta	15	36,633	13	37,593	21	75,495	18	69,245
S-83	Zeigler Coal Co., Mine	#11	Coulterville	25	11,066	16	9,456	26	15,928	23	14,428
	Average Days and Total Tons			19	435,691	12	291,900	25	739,388	22	636,056
	ST. CLAIR COUNTY										
S-94	Peabody Coal Co.	Pit 3	New Athens	3	7,020	7	17,355	19	38,935	24	55,575
S-97	Peabody Coal Co.,		Freeburg	14	107,408	13	105,373	25	192,644	25	193,755
	River King Underground										
	Average Days and Total Tons			9	114,428	10	122,728	22	231,579	25	249,330
	SALINE COUNTY										
S-1	Sahara Coal Co.	#6	Harrisburg	16	45,470	17	51,321	22	71,520	20	76,393
S-56	Sahara Coal Co.	#20	Harrisburg	15	31,562	15	39,150	22	53,606	20	48,307
S-57	Sahara Coal Co.	#21	Harrisburg	15	40,337	15	44,820	22	56,887	19	51,254
L-130	Jader Fuel Co.	#1	Shawneetown	17	2,996	18	3,694	23	6,731	18	4,971
L-131	Brown Brothers Excavating	#2	Harrisburg	19	4,189	23	5,056	26	5,000	24	7,258
L-128	Big Ridge Coal Co.	#1	Raleigh								
	Average Days and Total Tons			17	124,554	18	144,041	23	192,744	21	188,183
	STARK COUNTY										
S-1	Midland Coal Company.	Allendale	Wyoming	16	29,145	18	27,504	20	28,333	14	25,205
	VERMILION COUNTY										
L-242	Lee Coal Company		Oakwood	16	6,670	24	15,990	26	17,126	24	16,396

## AND DAYS WORKED EACH MONTH IN 1977 (Continued)

Number of days in operation and tons of coal mined

May		June		July		August		September		October		November		December		Total		Mine index number
Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	
23	111,174	19	108,513	17	71,286	22	111,355	22	119,507	23	132,412	24	126,131	4	22,019	224	1,098,151	S 20
22	282,755	13	168,810	16	210,475	22	282,146	22	283,679	20	244,577	23	301,674	3	35,382	195	2,524,815	S 19
23	393,929	16	277,323	17	281,761	22	393,501	22	403,186	22	376,989	24	427,805	4	57,401	210	3,622,966	
17	148,194	19	164,373	11	92,347	20	168,731	24	204,865	18	155,652	20	161,264	3	26,255	213	1,854,058	S 5
30	99,031	30	102,417	30	80,106	31	77,216	29	67,703	30	64,664	29	57,265	29	.....	356	917,492	S 4
25	387,735	21	307,616	19	252,920	26	398,127	23	321,804	22	266,729	14	144,412	4	75,113	238	3,028,455	S 34
19	122,228	19	104,041	17	102,668	20	122,524	17	102,049	15	80,347	21	109,754	3	13,567	172	999,490	S 14
24	123,720	22	106,238	25	128,553	17	79,018	22	122,570	24	118,179	22	117,807	4	16,140	231	1,180,726	S 33
21	165,451	25	214,704	21	220,344	25	232,644	20	189,833	22	201,926	22	201,210	4	21,421	230	2,007,432	S 36
25	257,021	26	249,555	11	91,885	27	257,085	24	249,228	25	236,046	21	176,911	1	1,800	245	2,342,907	S 35
23	1,056,155	23	982,154	19	796,370	23	1,089,398	21	985,484	22	903,227	20	750,094	3	128,041	224	9,559,010	
25	129,728	25	105,633	24	131,797	26	130,031	23	145,446	25	118,525	25	135,200	4	8,471	267	1,166,340	S 19
24	144,267	26	161,767	13	76,487	24	144,373	23	158,045	25	173,695	25	191,845	4	27,952	253	1,681,638	S 20
21	250,355	20	176,333	21	132,254	20	161,659	22	173,424	24	371,783	24	329,397	4	24,609	229	2,296,660	S 23
..	..	..	..	..	..	..	..	26	3,541	25	14,212	20	4,614	..	71	22,367	L 11	
24	127,621	26	141,848	11	61,415	26	127,949	24	138,239	17	89,193	18	93,988	4	23,808	210	1,095,690	S 7
22	77,314	23	84,872	11	31,258	21	63,607	19	62,903	10	33,089	13	27,705	4	10,604	190	610,318	S 17
20	20,667	27	22,723	12	16,853	26	42,891	21	28,823	24	41,951	25	48,416	4	8,029	254	281,231	S 83
24	749,952	25	693,176	15	450,064	24	670,510	23	710,421	21	842,448	21	831,165	4	103,473	211	7,154,244	
25	53,235	26	56,355	18	43,550	18	55,120	18	43,550	13	35,490	14	39,390	1	4,160	186	449,735	S 94
25	181,220	24	186,871	13	84,322	22	165,578	25	173,216	25	175,625	24	177,917	4	31,645	239	1,775,574	S 97
25	234,455	25	243,226	16	127,872	20	220,698	22	216,766	19	211,115	19	217,307	3	35,805	213	2,225,309	
18	59,066	18	56,872	14	49,887	18	53,850	18	48,262	21	73,282	20	80,208	3	11,807	205	677,938	S 1
21	55,992	18	45,476	15	33,686	18	41,005	20	52,272	21	53,547	18	38,583	4	8,357	207	501,543	S 56
19	48,764	18	47,724	15	32,517	14	31,441	20	41,285	16	29,294	20	36,720	4	6,773	197	466,816	S 57
20	9,400	23	9,046	20	7,383	25	7,600	25	9,757	24	7,214	23	7,283	3	133	239	76,208	L 130
23	9,245	20	5,452	15	3,755	29	6,845	26	4,622	24	5,295	24	5,529	4	402	257	62,648	L 131
..	..	..	..	..	..	23	..	24	6,106	31	5,464	26	9,232	6	1,761	110	22,563	L 128
21	182,467	20	164,570	16	127,228	22	140,741	23	162,304	23	174,096	22	177,555	4	29,233	203	1,807,716	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	68	110,187	S 1

## II PRODUCTION—TABLE 9—OUTPUT OF ALL MINES

Mine index number	County, name of operator and mine	Name or number of mine	Post Office address of mine	Number of days in operation and tons of coal mined							
				January		February		March		April	
				Days	Tons	Days	Tons	Days	Tons	Days	Tons
S-1	WABASH COUNTY										
	Amax Coal Company .....	Wabash .....	Keensburg .....	21	182,658	13	126,846	21	196,514	21	162,884
	WILLIAMSON COUNTY										
S-4	Amax Coal Co. ....	Delta .....	Marion .....	13	49,886	7	28,698	15	59,350	15	49,038
L-254	Cold Water Coal Co. ....	#1 .....	Herrin .....	16	1,410	..	..	..	..	10	..
L-268	Crenshaw Coal Co. ....	#1 .....	Cartersville .....	..	..	..	..	..	..	..	..
L-267	Crenshaw Coal Co. ....	#2 .....	Cartersville .....	..	..	..	..	..	..	..	..
L-257	E & B Coal Co. ....	#1 .....	Cartersville .....	17	3,843	24	6,245	24	6,420	25	6,832
L-264	E & B Coal Co. ....	#2 .....	Cartersville .....	..	..	..	..	..	..	..	..
S-99	Freeman United Coal Co., Orient .....	#4 .....	Marion .....	22	70,939	13	45,492	24	82,287	21	78,863
L-195	Harrisburg Coal Co., Inc. ....	#1 .....	Marion .....	19	7,697	14	6,275	23	8,239	20	12,124
L-255	Jader Fuel .....	#2 .....	Marion .....	20	361	22	6,394	21	4,833	19	2,031
L-269	Illinois Coal, Oil & Gas Co. ....	#2 .....	Marion .....	26	168	26	166	26	166	..	..
L-265	Oxford Construction Co. ....	#4 .....	Marion .....	..	..	..	..	..	..	..	..
L-256	Southern Ill. Minerals .....	#1 .....	Carbondale .....	..	..	..	..	..	..	..	..
L-266	Claude White Co. ....	N. Side Mine .....	Marion .....	2	..	6	..	11	825	8	1,229
L-259	Williamson Coal Co. ....	#1 .....	Energy .....	23	14,089	14	11,403	30	17,718	28	6,717
S83	Zeigler Coal Co. ....	#4 .....	Johnston City .....	20	34,498	13	24,043	24	48,611	22	46,765
S-100	Peabody Coal Co. ....	Will Scarlet .....	Stonefort .....	8	10,582	9	30,211	15	36,877	12	43,888
L-261	Malone Mine .....	#1 .....	Thompsonville .....	13	241	12	124	18	254	13	46
*L-262	D. D. Thomas Mine .....	#1 .....	Stonefort .....	20	690	16	1,263	17	1,217	12	84
	Average Days and Total Tons			17	194,404	15	160,314	21	266,797	17	247,617
	Grand Total .....			16	3,665,740	14	3,058,020	22	5,834,801	17	5,409,434

\*Figures taken from monthly coal reports.



## AND DAYS WORKED EACH MONTH IN 1977 (Concluded)

Number of days in operation and tons of coal mixed																	
May		June		July		August		September		October		November		December		Total	
Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons	Days	Tons
21	174,010	21	215,625	8	64,832	18	139,539	18	167,157	20	142,415	17	126,930	2	18,280	201	1,717,690
14	47,021	13	35,415	10	35,041	7	26,457	6	22,295	13	54,524	13	46,043	..	27	126	453,795
20	3,180	20	1,057	20	1,965	20	918	20	238	20	2,379	20	1,483	3	..	169	12,630
..	..	..	..	..	..	..	..	..	..	..	..	18	2,059	3	459	21	2,518
24	1,424	25	5,446	23	4,039	20	1,473	..	..	..	..	..	..	..	..	43	5,512
24	4,975	15	1,949	10	557	21	800	25	6,504	24	6,032	21	4,001	3	..	143	24,818
23	88,636	20	80,277	17	61,419	17	66,002	19	74,677	23	94,170	23	84,028	4	15,917	226	842,707
20	9,404	19	11,907	15	3,296	18	7,064	19	4,425	18	7,808	16	4,980	4	1,404	205	84,623
19	2,402	23	6,877	18	6,341	25	8,040	25	9,807	20	3,814	24	8,197	3	3,345	239	62,441
..	..	..	..	26	200	26	200	26	200	26	300	26	300	26	300	234	2,000
..	..	..	..	20	1,470	22	2,100	16	1,000	10	600	..	..	..	..	68	5,170
22	3,803	18	1,455	..	..	..	..	..	..	..	..	..	..	..	..	40	5,258
7	1,500	5	2,609	7	1,880	2	806	3	..	2	..	..	..	..	..	53	8,849
29	8,402	24	23,457	23	17,804	29	32,460	28	22,326	30	26,649	29	23,978	5	3,818	292	208,839
19	28,588	21	34,693	11	26,942	21	42,123	12	21,904	20	37,462	23	51,277	4	7,991	210	404,897
15	42,633	14	45,618	14	40,858	20	65,731	18	72,029	21	71,596	15	61,306	1	9,430	162	530,759
15	517	17	628	11	480	7	299	..	..	7	331	11	478	..	..	124	3,398
27	990	27	1,221	13	292	..	..	..	..	..	..	..	..	..	..	..	5,757
20	243,493	19	252,609	17	206,988	19	254,473	18	235,405	18	305,665	20	290,090	6	42,691	150	2,700,545
20	5,414,362	18	4,959,872	16	3,695,851	20	5,022,313	20	5,263,669	20	5,411,786	20	5,320,998	4	823,588	197	53,880,434

Mine index number

## II PRODUCTION—

Number	Name of operator	Post Office address of the mine	Disposition of output-tons				
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons loaded on barge for shipment	Tons sold to local trade
							CHRISTIAN
S 8	Peabody Coal Company, #10 .....	Pawnee .....	2,807,593	171,012			*2,592,145 44,436
							CLINTON
S 4	Monterey Coal Company .....	Albers .....	99,504	99,504			
							DOUGLAS
S 1	Zeigler Coal Company, Murdock .....	Murdock .....	1,332,177	201,731			1,130,446
S 3	Zeigler Coal Company, Mine #5 .....	Murdock .....	1,345,217	1,341,941			3,276
	Total 2 Mines .....		2,677,394	1,543,672			1,133,722
							FRANKLIN
S 23	Old Ben Coal Company #21 .....	Sesser .....	1,465,579	1,462,361			3,218
S 25	Old Ben Coal Company #24 .....	Benton .....	1,746,072	1,746,072			
S 27	Old Ben Coal Company #25 .....	W. Frankfort .....	379,247	379,247			
S 26	Old Ben Coal Company #26 .....	Sesser .....	1,158,874	1,142,493			17,381
	Total 4 Mines .....		4,450,772	4,730,173			20,599
							FULTON
S 45	Midland Coal Co., Rapatee Mine .....	Middlegrove .....	449,685	338,815			108,370
S 43	Amox Coal Co., Sun Spot .....	Vermont .....	559,191	119,665		293,386	146,140
S 44	Consolidation Coal Co., Norris .....	Norris .....	679,286	469,024			210,262
S 26	Freeman United Coal Mining #17 .....	Canton .....	1,071,038	1,069,829			276
	Total 4 Mines .....		2,759,200	1,997,333		293,386	465,048
							GALLATIN
S 3	Peabody Coal Company Eagle #2 .....	Shawneetown .....	1,075,785			1,075,785	
S 1	Peabody Coal Company Eagle Surface .....	Shawneetown .....	530,629			530,629	
	Total 2 Mines .....		1,606,414			1,606,414	
							JACKSON
S 73	Central States Mining, Elk #1 .....	Pittsburgh .....	27,130	27,130			
S 9	Consolidation Coal Co., Burning Star 5 .....	DeSoto .....	1,328,358	1,328,358			
***L-74	Southern Ill. Minerals, Oraville #2 .....	Oraville .....	52,434			45,464	6,970
***L-75	Southern Ill. Minerals, Vergennes #4 .....	Carbondale .....	9,632			9,632	
***L-76	Southern Ill. Minerals, Sato #5 .....	Carbondale .....	50,146			47,650	2,496
	Total 5 Mines .....		1,467,700	1,355,488		102,746	9,466

\*2,592,145 Belted to Kincaid Station (Christian Co.)

\*487,895-Christian County

1,591,209-Sangamon County

718,489-Montgomery County

\*\*\*Changed name, was 3 States Trucking.

TABLE 10

Tons consumed at the mine	All coal not sold including waste	Total employees	Explosives used for blasting coal					Number of		Tons mined by machine	Tons mined in strip mines	Number
			Days of active operation	Explosives used to blast overburden pounds	Air-dox	Dynamite – pounds	Permissibles – Pounds	Mining machines	Motors			
COUNTY												
...	...	931	223	.....	a 3	.....	.....	C 7 3	..	2,807,593	.....	S 8
COUNTY												
...	...	151	146	.....	.....	.....	.....	3	..	99,504	.....	S-4
COUNTY												
...	...	347	234	.....	a 12	.....	.....	4	..	1,332,177	.....	S 1
...	...	429	223	.....	a 18	.....	.....	7	..	1,345,217	.....	S-3
...	...	776	457	.....	a 30	.....	.....	11	..	2,677,394	.....	
COUNTY												
...	...	580	208	.....	.....	.....	.....	C 13	..	1,465,579	.....	S-23
...	...	519	208	.....	.....	.....	.....	C 14	..	1,746,072	.....	S-25
...	...	295	215	.....	.....	.....	.....	C 6	..	379,247	.....	S-27
...	...	511	196	.....	.....	.....	.....	C 14	..	1,159,874	.....	S-26
...	...	1,905	827	.....	.....	.....	.....	C 47	..	4,750,772	.....	
COUNTY												
...	2,500	108	224	AN78,000	.....	31,750	.....	.....	4	.....	449,685	S-45
...	...	220	178	AN1,669,875	.....	.....	.....	.....	.....	.....	559,191	S-43
...	...	158	187	AN63,768	.....	9,850	.....	.....	7	.....	679,286	S-44
933	...	258	215	.....	.....	.....	.....	.....	.....	.....	1,071,038	S-26
933	2,500	744	804	AN1,811,643	.....	41,600	.....	.....	11	.....	2,759,200	
COUNTY												
...	...	614	237	.....	a 12	.....	.....	C 8	7	1,075,785	.....	S-3
...	...	181	161	AN5,214,170	.....	.....	.....	.....	.....	.....	530,629	S-1
...	...	795	398	AN5,214,170	a 12	.....	.....	C 8	7	1,075,785	530,629	
COUNTY												
...	...	16	114	AN30,000	.....	1,000	.....	.....	5	.....	27,130	S-73
...	...	235	201	.....	.....	.....	95,000	.....	.....	.....	1,328,358	S-9
...	...	21	140	.....	.....	.....	.....	.....	.....	.....	52,434	L-74
...	...	15	16	.....	.....	.....	.....	.....	.....	.....	9,632	L-75
...	...	20	178	.....	.....	.....	.....	.....	.....	.....	50,146	L-76
...	...	307	649	AN30,000	.....	1,000	95,000	.....	5	.....	1,467,700	

## II PRODUCTION—

Number	Name of operator	Post Office address of the mine	Disposition of output tons				
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons loaded on barge for shipment	Tons sold to local trade
JEFFERSON							
S 3	Freeman United Coal Mng. Orient #3	Waltonville	1,436,311	1,223,189			213,122
S 6	Freeman United Coal Mng. Orient #6	Waltonville	1,303,767	1,303,767			
S 5	Inland Steel Coal Company	Sesser	1,593,790	1,582,089			
S 7	Robertson & Associates "Eads" Mine	Mt. Vernon	434,219	434,219			
	Total 4 Mines		4,768,087	4,543,264			213,123
JOHNSON							
L 14	Oxford Construction Company, Mine #3	Marion	1,100				1,100
KNOX							
S 4	Midland Coal Co., Mecco Mine	Victoria	1,151,893	867,799			284,094
MACOUPIN							
S 20	Freeman United Coal Mng. Crown II	Virden	1,098,151	1,034,400			63,751
S 19	Monterey Coal Co.	Carlinsville	2,524,815	2,370,722			154,093
	Total 2 Mines		3,622,966	3,405,122			217,844
MONTGOMERY							
S 5	Consolidation Coal Co., Hillsboro	Coffeen	*1,854,058				1,854,058
PEORIA							
S 4	Midland Coal Co., Elm Pit Mine	Peoria	917,492	897,408			20,084
PERRY							
S 34	Southwestern Ill. Coal Corp., Captain Mine	Percy	3,028,455	2,755,895			272,560
S 14	Freeman United Coal Mng., #11	DuQuoin	999,490	998,511			979
S 33	Consolidation Coal Co., Burning Star #2	DuQuoin	1,180,726	1,021,783			151,587
S 36	Consolidation Coal Co., Burning Star #4	Cutler	2,007,432	2,007,432			
S 35	Amax Coal Co., Leahy Mine	Campbell Hill	2,342,907	2,331,800			
	Total 5 Mines		9,559,010	9,115,421			425,126

\*Direct to C.I.P.S. Power Plant

TABLE 10 (Continued)

Tons consumed at the mine	All coal not sold including waste	Total employees	Explosives used for blasting coal					Number of		Tons mined by machine	Tons mined in strip mines	Number
			Days of active operation	Explosives used to blast overburden pounds	Airco	Dynamite pounds	Permissibles pounds	Mining Machines	Motors			

## COUNTY

...	...	826	213	...	...	...	...	C 13	...	1,436,311	...	S 3
11,701	...	630	212	...	...	...	...	C 20	...	1,303,767	...	S 4
...	...	612	209	...	...	...	...	C 8	...	1,593,790	...	S 5
...	...	85	217	AN19,800	...	...	...	...	5	...	434,219	S 6
11,701	...	2,153	851	AN19,800	...	...	...	C 41	5	4,333,868	434,219	S 7

## COUNTY

...	...	3	40	...	...	...	...	...	...	...	1,100	L 14
-----	-----	---	----	-----	-----	-----	-----	-----	-----	-----	-------	------

## COUNTY

...	...	240	231	...	...	...	...	...	10	...	1,151,893	S 4
-----	-----	-----	-----	-----	-----	-----	-----	-----	----	-----	-----------	-----

## COUNTY

...	...	495	224	...	...	...	...	12	...	1,098,151	...	S 20
...	...	544	195	...	...	...	...	11	8	2,524,815	...	S-19
...	...	1,039	419	...	...	...	...	23	8	3,622,966	...	...

## COUNTY

...	...	559	213	...	...	...	...	C 12	...	1,854,058	...	S 5
...	...	...	...	...	...	...	...	1	6	...	...	...

## COUNTY

...	...	215	356	...	...	...	15,090	...	...	...	917,492	S 4
-----	-----	-----	-----	-----	-----	-----	--------	-----	-----	-----	---------	-----

## COUNTY

...	...	406	238	...	...	...	...	...	14	...	3,028,455	S 34
...	...	233	172	AN4,057,800	...	108,700	...	...	...	...	999,490	S 14
...	7,356	244	231	...	...	90,000	...	...	10	...	1,180,726	S 33
...	...	278	230	...	...	90,000	...	...	...	...	2,007,432	S 36
...	11,107	244	245	AN9,067,097	...	...	22,705	...	...	...	2,342,907	S 35
...	18,463	1,405	1,116	AN13,124,897	...	288,700	22,705	...	24	...	9,559,010	...

## II PRODUCTION—

Number	Name of operator	Post Office address of the mine	Disposition of output tons				
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons loaded on barge for shipment	Tons sold to local trade
RANDOLPH							
S-19	Consolidation Coal Company BS#3	Sparta	1,166,340	1,166,340			
S-20	Peabody Coal Company-Baldwin Mine	Marissa	*1,681,638	1,681,638			
S-23	Peabody Coal Company-Pit #6	Marissa	2,296,660	2,296,660			
S-7	Southwestern Ill. Coal Streamline Mine	Percy	1,095,690	959,816			135,874
S-17	Zeigler Coal Co. Spartan	Sparta	610,318	573,485			36,833
S-83	Zeigler Coal Co., #11	Coulterville	281,231				281,231
L-11	Southern Ill. Minerals, Sparta #6	Carbondale	22,367			14,460	7,907
Total 7 Mines			7,154,244	6,677,939		14,460	461,845
ST. CLAIR							
S-94	Peabody Coal Co., Pit #3	New Athens	449,735	449,735			
S-97	Peabody Coal Co., River King U/G	Freeburg	1,775,574	1,223,551			552,023
Total 2 Mines			2,225,309	1,673,286			552,023
SALINE							
S-1	Sahara Coal Co., #6	Harrisburg	677,938	666,171			11,671
S-56	Sahara Coal Co., #20	Harrisburg	501,543	470,574			30,907
S-57	Sahara Coal Co., #21	Harrisburg	466,816	438,178			28,580
L-130	Jader Fuel #1	Omaha	76,208			65,982	10,226
L-131	Brown Bros., Excavating	Harrisburg	62,648	12,125		3,125	**47,398
L-128	Big Ridge Coal Company	Raleigh	22,563	22,563			
Total 6 Mines			1,807,716	1,609,611		69,107	128,782
STARK							
S-1	Midland Coal Co., Allendale Mine	Wyoming	110,187	29,019		**81,142	26
VERMILION							
L-242	Lee Coal Co.	Oakwood	121,560				116,484
WABASH							
S-1	Amax Coal Co., Wabash Mine	Keensburg	1,717,690	1,715,538			

\*Randolph Co. 1,553,577

St. Clair Co. 128,061

1,681,638

\*\*Direct to Power Plant

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TABLE 10 (Continued)

Tons consumed at the mine	All coal not sold including waste	Total employees	Explosives used for blasting coal					Number of		Tons mined by machine	Tons mined in strip mines	Number
			Days of active operation	Explosives used to blast overburden pounds	Airtox	Dynamite — pounds	Permissibles — pounds	Mining machines	Motors			
...	...	210	267	...	...	11,250	...	...	...	...	...	...
...	...	592	253	...	...	...	...	C 7	5	1,681,638	1,166,340	S-19
...	...	371	229	...	...	...	...	...	...	...	...	S-30
...	...	177	210	AN4,082,300	...	...	48,100	...	...	2,296,660	...	S-23
...	...	190	289	...	a 11	...	...	C 4	6	1,095,690	...	S-7
...	...	171	254	...	a 8	...	...	C 3	...	610,318	...	S-17
...	...	19	71	...	...	...	...	...	...	281,231	...	S-83
...	...	...	...	...	...	...	...	...	...	22,367	...	L-11
...	...	1,730	1,573	AN4,082,300	a 19	11,250	48,100	C 11	11	2,573,187	4,581,057	...
...	...	...	...	...	...	...	...	3	...	...	...	...
COUNTY												
...	...	140	186	...	...	54,670	1,843,040	...	...	...	...	...
...	...	588	239	...	...	...	...	C 12	...	1,775,574	449,735	S-94
...	...	728	425	...	...	54,670	1,843,040	C 12	...	1,775,574	449,735	S-97
COUNTY												
96	...	153	205	AN4,384,000	...	...	420,538	...	...	...	677,938	S-1
62	...	233	207	...	a 4	...	...	C 6	...	...	...	...
58	...	246	197	...	a 4	...	...	C 3	11	501,543	...	S-56
...	...	11	236	...	...	...	...	C 4	...	...	...	...
...	...	8	257	AN100,000	...	400	190,000	4	8	466,816	...	S-57
...	...	10	110	...	...	...	...	...	4	76,208	...	L-130
...	...	...	...	...	...	...	...	...	...	62,648	...	L-131
...	...	...	...	...	...	...	...	...	...	22,563	...	L-128
216	...	661	1,212	AN4,484,000	a 8	400	610,358	C 10	23	968,359	839,357	...
...	...	...	...	...	...	...	...	7	...	...	...	...
COUNTY												
...	...	11	68	...	...	...	...	...	...	...	110,187	S-1
COUNTY												
...	5,076	8	252	...	...	12,459	...	...	2	...	121,560	L-242
COUNTY												
...	2,152	661	201	...	...	...	...	C 17	...	1,717,690	...	S-1

## II PRODUCTION—

Number	Name of operator	Post Office address of the mine	Disposition of output—tons				
			Total	Tons loaded on cars for shipment	Tons sold to railroad companies	Tons loaded on barge for shipment	Tons sold to local trade
WILLIAMSON							
S-4	Amax Coal Co., Delta	Marion	453,795	453,353			442
L-254	Cold Water Coal Co., #1	Herrin	12,630				11,373
L-268	Crenshaw Coal Co., #1	Cartersville	2,518				2,518
L-267	Crenshaw Coal Co., #2	Cartersville	5,512				5,512
L-257	E & B Coal Co., #1	Cartersville	36,574	1,684			34,890
L-264	E & B Coal Co., #2	Cartersville	24,818				24,818
S-99	Freeman United Coal Co., Orient 4	Marion	842,707	780,797			61,910
L-195	Harrisburg Coal Co., #1	Marion	84,623				84,623
L-255	Jader Fuel Co., #2	Shawneetown	62,441			58,893	3,548
L-261	Malone Mine #1	Thompsonville	3,398				3,398
L-265	Oxford Construction Co., Mine #4	Marion	5,170				5,170
S-100	Peabody Coal Co., Will Scarlet	Stonefort	530,759	455,750		69,513	96
L-256	Southern Ill. Minerals, Carbondale #1	Carbondale	5,258			5,258	
L-266	Claude White Company-North Side Mine	Marion	8,849				8,849
L-259	Williamson Coal Co., Mine #1	Energy	208,839				208,839
S-83	Zeigler Coal Co., #4	Johnston City	404,897	402,104			2,793
L-262	D. D. Thomas Mine	Stonefort	5,757				5,757
L-269	Illinois Coal, Oil & Gas Co.	Marion	2,000				2,000
Total 18 Mines			2,700,545	2,093,688		133,664	466,536
Total All Mines			53,880,434	42,525,277		2,300,919	9,006,540



TABLE 10 (Concluded)

Tons consumed at the mine	All coal not sold including waste	Total employees	Explosives used for blasting coal					Number of		Tons mined by machine	Tons mined in strip mines	Number
			Days of active operation	Explosives used to blast overburden pounds	Airtox	Dynamite — pounds	Permissibles — pounds	Mining machines	Motors			
...	1,257	148	126	AN1,450,000	...	...	180,400	...	...	...	453,795	S 4
...	...	2	169	...	...	...	...	...	...	...	12,630	L 254
...	...	5	21	AN5,000	...	500	...	...	...	...	2,518	L 268
...	...	5	43	...	...	1,100	...	...	...	...	5,512	L 267
...	...	7	185	AN79,000	...	5,486	...	...	...	...	36,574	L 257
...	...	7	143	AN50,000	...	5,000	...	...	...	...	24,818	L 264
...	...	304	226	...	...	...	...	C 10	...	842,707	S 99	
...	...	54	205	...	a 2	...	...	1	2	84,623	L 195	
...	...	6	239	...	...	5,000	...	...	...	...	62,441	L 255
...	...	2	124	...	...	...	...	...	...	...	3,398	L 261
...	...	3	68	...	...	...	...	...	2	...	5,170	L 265
...	5,400	179	162	AN4,414,657	...	...	647,306	...	...	...	530,759	S 100
...	...	17	40	...	...	...	...	...	...	...	5,258	L 256
...	...	4	53	...	...	...	...	...	...	...	8,849	L 266
...	...	47	292	...	...	...	...	...	...	...	208,839	L 259
...	...	293	210	...	a 8	...	...	...	...	404,897	S 83	
...	...	7	132	...	...	...	...	...	...	...	5,757	L 262
...	...	2	234	...	...	...	...	...	...	...	2,000	L 269
...	6,657	1,092	2,672	AN5,998,657	a 10	17,086	827,706	C 10 4	4	1,332,227	1,368,318	
12,850	34,848	16,114	13,133	AN34,765,467	a 82	427,165	3,461,999	C 175 55	116	29,588,977	24,291,457	

**II PRODUCTION—TABLE 11—RAILROADS HANDLING COAL—TONS  
SOLD TO RAILROADS SERVING MINES—TONS SOLD TO  
RAILROADS NOT SERVING MINES—1977**

Operators	Names of railroads	Tons shipped to market	Tons sold to railroads serving mines	Tons sold to railroads not serving mines	Total tons handled by railroads
<b>CHRISTIAN COUNTY</b>					
Peabody Coal Co. #10.	Chicago & Illinois Midland R.R. ....	171,012			171,012
<b>CLINTON</b>					
Monterey Coal Co. #2 ...	Southern	97,010			97,010
<b>DOUGLAS COUNTY</b>					
Zeigler Coal Co., Murdock	B & O	396,834			396,834
Zeigler Coal Co., #5.	C & El.	1,341,941			1,341,941
Total		1,738,775			1,738,775
<b>FRANKLIN COUNTY</b>					
Old Ben Coal Co., #21	BN	471,780			471,780
	Mo-Pac	774,439			774,439
	ICG	216,142			216,142
Old Ben Coal Co., #24	BN	1,746,072			1,746,072
Old Ben Coal Co., #25	ICG	379,249			379,249
Old Ben Coal Co., #26	BN	888,675			888,675
	No Pac	238,740			238,740
	ICG	15,078			15,078
Total		4,730,175			4,730,175
<b>FULTON COUNTY</b>					
Midland Coal Co., Rapatee	CNW	338,815			338,815
Amax Coal Co., Sun Spot	BN	413,051			413,051
Consolidation Coal-Norris	BN	469,024			469,024
Freeman United Coal Mng. #17	BN	1,069,829			1,069,829
Total		2,290,719			2,290,719
<b>JACKSON COUNTY</b>					
Central States Mining "Elk"	IC	27,130			27,130
Consolidation Coal Co. BS 5	Mo-Pac	1,328,358			1,328,358
Total		1,355,488			1,355,488
<b>JEFFERSON COUNTY</b>					
Freeman United Coal Mng. #3	BN	405,588			405,588
	IC	632,950			632,950
	MP	184,651			184,651
Freeman United Coal Mng. #6	IC	601,048			601,048
	MP	702,719			702,719
Inland Steel Coal Co.	IC	1,582,089			1,582,089
Robertson & Associates "Eads"	ICG	434,219			434,219
Total		4,543,264			4,543,264
<b>KNOX COUNTY</b>					
Midland Coal Co., Mecco	CR&P	867,799			867,799

## II PRODUCTION—TABLE 11— (Continued)

Operators	Names of railroads	Tons shipped to market	Tons sold to railroads serving mines	Tons sold to railroads not serving mines	Total tons handled by railroads
<b>MACOUPIN COUNTY</b>					
Freeman United Coal Mng. Crown II	BN	1,034,400			1,034,400
Monterey Coal Co.	C&NW	1,824,797			1,824,797
	IT	545,925			545,925
Total		3,405,122			3,405,122
<b>PEORIA COUNTY</b>					
Midland Coal Co., Elm Pit	CNW	910,788			910,788
<b>PERRY COUNTY</b>					
Southwestern Ill. Coal Corp., Captain Mine	ICG	999,390			999,390
Freeman United Coal Mng., #11	Mo Pac.	1,756,505			1,756,505
	IC	9,523			9,523
Consolidation Coal Co. BS 2	Mo Pac.	678,988			678,988
	ICG	106,784			106,784
Consolidation Coal Co. BS 4	Mo Pac.	914,999			914,999
Amax Coal Co., Leahy	Mo Pac.	2,007,432			2,007,432
	Mo Pac.	2,082,239			2,082,239
	ICG	249,561			249,561
Total		8,805,421			8,805,421
<b>RANDOLPH COUNTY</b>					
Consolidation Coal Co. BS 3	Mo&I	1,166,340			1,166,340
Peabody Coal Co., Baldwin	IC	1,681,638			1,681,638
Peabody Coal Co., Pit 6	Peabody	2,296,660			2,296,660
Southwestern Ill. Coal Corp. Streamline Mine	ICG	754,371			754,371
	Mo Pac.	205,444			205,444
Zeigler Coal Co., Spartan	M&I	1,155,514			1,155,514
Total		7,259,967			7,259,967
<b>ST. CLAIR COUNTY</b>					
Peabody Coal Co., Pit #3	ICG	449,735			449,735
Peabody Coal Co., River King	ICG	1,223,551			1,223,551
Total		1,673,286			1,673,286
<b>SALINE COUNTY</b>					
Sahara Coal Co. #6	Conrail	416,755			416,755
	ICG	249,416			249,416
Sahara Coal Co. #20	Conrail	198,279			198,279
	ICG	272,295			272,295
Sahara Coal Co. #21	Conrail	185,421			185,421
	ICG	252,747			252,747
Brown Bros. Excavating	Conrail	12,125			12,125
Big Ridge Coal Company	Conrail	22,563			22,563
Total		1,609,601			1,609,601
<b>STARK COUNTY</b>					
Midland Coal Co., Allendale	BN	29,019			29,019

## II PRODUCTION—TABLE 11—(Concluded)

Operators	Names of railroads	Tons shipped to market	Tons sold to railroads serving mines	Tons sold to railroads not serving mines	Total tons handled by railroads
WABASH COUNTY					
Amax Coal Co., Wabash . . . . .	Conrail . . . . .	1,715,538	.....	.....	1,715,538
WILLIAMSON COUNTY					
Amax Coal Co., Delta . . . . .	Conrail . . . . .	139,063	.....	.....	139,063
E & B Coal Co. #1 . . . . .	ICG . . . . .	314,290	.....	.....	314,290
Freeman United Coal Co. #4 . . . . .	BN . . . . .	1,684	.....	.....	1,684
Peabody Coal, Will Scarlet . . . . .	IC . . . . .	141,077	.....	.....	141,077
Zeigler Coal Co. #4 . . . . .	MP . . . . .	639,790	.....	.....	639,790
	Conrail . . . . .	156,574	.....	.....	156,574
	ICG . . . . .	299,176	.....	.....	299,176
	C & E . . . . .	402,104	.....	.....	402,104
Total . . . . .		2,091,688	.....	.....	2,091,688

## II PRODUCTION—TABLE 12— SPECIAL PREPARATION PLANTS

Name of operator	Address	Type and make of installation	Tonnage prepared or capacity of plant
Amax Coal Co., Delta	Marion	Mechanical Jig Type	453,795
Amax Coal Co., Leahy	Campbell Hill	Crushing Jig Type Washing	2,342,907
Amax Coal Co., Sun Spot	Vermont	Heavy Media Fluid Bed Washing Type	559,191
Consolidation Coal Co., BS #2	DuQuoin	Jig Washing Plant	1,180,726
Consolidation Coal Co., BS #3	Sparta	Jig Washing Plant and Air-Water Wash Box	1,166,340
Consolidation Coal Co., BS #4	Cutler	Jig Washing Plant and Water and Air Wash Boxes	2,007,432
Consolidation Coal Co., BS #5	DeSoto	Heavy Media	235,261
Consolidation Coal Co., Norris	Norris	J. O. Lively Washed and Centrifugal Dried	679,286
Freeman United Coal Mng. Co., Crown II Mine	Viriden	Jig Washing Plant	1,098,151
Freeman United Coal Mng. #3	Waltonville	Deduster, Heavy Media, Jig, Heavy Media Cyclones & Froth Flota	1,436,311
Freeman United Coal Mng. #4	Marion	Roberts & Schaefer Heavy Media	842,707
Freeman United Coal Mng. #6	Waltonville	Heavy Media Washed	1,303,767
Freeman United Coal Mng. #11	DuQuoin	Koppers Rheolaveur	999,490
Freeman United Coal Mng. #17	Canton	Neldo Heavy Media	1,069,839
Harrisburg Coal Co.	West Frankfort	Deister Table	84,623
Inland Steel Coal Co.	Sesser	Modern Preparation Plant	1,593,790
Midland Coal Co., Allendale	Wyoming	Jig Washed	110,187
Midland Coal Co., Elm #1	Peoria	McNally Pittsburg Preparation	917,492
Midland Coal Co., Mecco	Victoria	McNally Pittsburg	1,151,893
Midland Coal Co., Rapatee	Middlegrove	McNally Pittsburg	454,344
Monterey Coal Co., #1	Carlinville	Baum Jig Type Preparation Plant	2,524,815
Monterey Coal Co., #2	Albers	Jig Plant	99,504
Old Ben Coal Co., #21	Sesser	Heavy Media Cyclones Froth Flotation, Mogul Jig Type	1,465,579
Old Ben Coal Co., #25	West Frankfort	Heavy Media Cyclones Froth Flotation, Mogul Jig Type	379,247
Old Ben Coal Co., #26	Sesser	Heavy Media Cyclones Froth Flotation, Mogul Jig Type	1,159,874
Peabody Coal Co., #10	Pawnee	Allis Chalmers	2,278,989
Peabody Coal Co., Eagle Surface	Shawneetown	McNally Pittsburg Preparation Plant	530,629
Peabody Coal Co., Eagle #2	Shawneetown	Cyclone Plant	1,075,785
Peabody Coal Co., River King #6	Marissa	Washed at Randolph Preparation Plant	
Peabody Coal Co., River King #3	New Athens	McNally Pittsburg Preparation	449,735
Peabody Coal Co., River King U/G	Freeburg	McNally Pittsburg Preparation	1,775,574
Peabody Coal Co., Will Scarlet	Stonefort	Link Belt Bawn Type Jigs	530,759
Robertson & Assoc. "Eads"	Mt. Vernon	McNally Pittsburg Jig Plant	434,218
Sahara Coal Co., #6, #20, #21	Harrisburg	Entire production washed at Central Washing Plant	
Southwestern II. Coal, Captain	Percy	McNally Pittsburg Washer	3,028,455
Southwestern II. Coal, Streamline	Percy	McNally Pittsburg Washer	1,095,690
Zeigler Coal Co., #4	Johnston City	McNally Jig Washer	404,897
Zeigler Coal Co., Murdock	Murdock	McNally #223 Washer	1,332,177
Zeigler Coal Co., Spartan #2	Sparta	McNally Pittsburg West Wash	610,318

## II PRODUCTION—TABLE 13—PHYSICAL AND MECHANICAL

Index No.	County, name of operator and mine	Post Office address of mine	Tons of coal produced in 1977	Number of seam	Thickness of seam in feet
CHRISTIAN COUNTY					
S 8	Peabody Coal Co., #10	Pawnee	2,807,593	6	7'2"
CLINTON COUNTY					
S 4	Monterey Coal Co. #2	Albers	99,504	6	7'8"
DOUGLAS COUNTY					
S 1	Zeigler Coal Company Murdock	Murdock	1,332,177	6	7'
S 3	Zeigler Coal Company #5	Murdock	1,345,217	6	7'
FRANKLIN COUNTY					
S 23	Old Ben Coal Co., #21	Sesser	1,465,579	6	8'4 1/2"
S 25	Old Ben Coal Co., #24	Benton	1,746,072	6	8'6"
S 27	Old Ben Coal Co., #25	W. Frankfort	379,247	6	8'
S 26	Old Ben Coal Co., #26	Sesser	1,159,874	6	8'
FULTON COUNTY					
S 45	Midland Coal Co., Rapatee Mine	Middlegrove	449,685	5	3'9"
S 43	Amax Coal Co., Sun Spot	Vermont	559,191	2	2'2"
S 44	Consolidation Coal Co., Norris	Norris	679,286	5	4'5"
S 26	Freeman United Coal Mng. #17	Canton	1,071,038	5	4'6"
GALLATIN COUNTY					
S 3	Peabody Coal Co., Eagle #2	Shawneetown	1,075,785	5	5'6"
S 1	Peabody Coal Co., Eagle Surface	Shawneetown	530,629	5A 6	4'6" 2'6" 3'3"
JACKSON COUNTY					
S 3	Central States Mining "Elk"	Marion	27,130	5	4'6"
S 9	Consolidation Coal Co., Burning Star #5	DeSoto	1,328,358	6	9'
L 74	3 States Trucking, Oraville #2	Oraville	52,434	Murphysboro	6'
L 76	3 States Trucking, Sato	Carbondale	50,146		0'30"
L 75	3 States Trucking, Vergennes	Carbondale	9,632		5'
JEFFERSON COUNTY					
S 3	Freeman United Coal Mng., Orient #3	Waltonville	1,436,311	6	9'
S 6	Freeman United Coal Mng., Orient #6	Waltonville	1,303,767	6	7'
S 5	Inland Steel Coal Co.	Sesser	1,593,790	6	9'
S 7	Robertson & Associates "Eads"	Mt. Vernon	434,219	Opdyke	2'
JOHNSON COUNTY					
L 14	Oxford Construction Co., #3	Marion	1,100	6	3'
KNOX COUNTY					
S 4	Midland Coal Co., Mecco	Victoria	1,151,893	6	3'2"
MACOUPIN COUNTY					
S 20	Freeman United Coal Mng., Crown II Mine	Virden	1,098,151	6	6'8"
S 19	Monterey Coal Co.	Carlinville	2,524,815	6	7'3"
MONTGOMERY COUNTY					
S 5	Consolidation Coal Co., Hillsboro	Coffeen	1,854,058	6	7'2"
PEORIA COUNTY					
S 4	Midland Coal Co., Elm Pit Mine	Peoria	917,492	5 6	3'3" 11'11"

## CHARACTERISTICS OF ALL MINES—1977

Shaft, slope, drift or strip	Depth surface to seam	Long wall or pillar and room	Mining	Haulage	Hoisting	Loading	Open or closed lights	Total tons of coal produced since mine opened	Year mine opened
			Hand, machine or both			Hand, machine or both			
Slope	340'	P & R	Machine	Belt	Electric	Machine	Closed	10,775,195	1952
Shaft & Slope	330'	P & R	Machine	Belt	Electric	Machine	Closed	99,504	1977
Shaft & Slope	180'	P & R	Machine	Belt	Electric	Machine	Closed	9,884,029	1946
Shaft & Slope	210'	P & R	Machine	Belt	Electric	Machine	Closed	4,662,180	1973
Shaft	656'	P & R	Machine	Belt	Electric	Machine	Closed	37,150,173	1960
Shaft	666'	P & R	Machine	Belt	Electric	Machine	Closed	27,723,250	1965
Shaft	600'	P & R	Machine	Belt	Electric	Machine	Closed	379,247	1977
Shaft	651'	P & R	Machine	Belt	Electric	Machine	Closed	16,489,878	1968
Strip	70'	Strip						662,515	1976
Strip	66'	Strip						11,586,726	1962
Strip	60'-90'	Strip						9,460,893	1969
Strip	60'-120'	Strip						48,728,144	1962
Slope	250'	P & R	Machine	Belt	Electric	Machine	Closed	3,911,464	1969
Strip	20'-70'								
	20'-70'								
	20'-80'	Strip						1,552,416	1960
Strip	45'	Strip						204,540	1972
Strip	93'	Strip						1,763,208	1976
Strip	35'	Strip						245,603	1975
Strip	35'	Strip						50,146	1977
Strip	30'	Strip						78,140	1976
Slope	800'	P & R	Machine	Belt	Electric	Machine	Closed	78,214,559	1951
Shaft	792'	P & R	Machine	Belt	Electric	Machine	Closed	13,888,021	1968
Shaft	733'	P & R	Machine	Belt	Electric	Machine	Closed	17,726,312	1966
Strip	25'-45'	Strip						4,796,086	1970
Strip	20'	Strip						1,100	1977
Strip	52.5'	Strip						2,686,141	1956
Shaft & Slope	330'	Entry & Rooms	Machine	Belt	Electric	Machine	Closed	1,574,737	1976
Shaft & Slope	300'	P & R	Machine	Belt	Electric	Machine	Closed	16,752,287	1970
Shaft	500'	Room & Panel	Machine	Belt	Electric	Machine	Closed	17,666,604	1964
Strip	90'-55'	Strip						8,881,856	1968

## II PRODUCTION—TABLE 13—PHYSICAL AND MECHANICAL

Index No.	County, name of operator and mine	Post Office address of mine	Tons of coal produced in 1977	Number of seam	Thickness of seam in feet
<b>PERRY COUNTY</b>					
S-34	Southwestern Ill. Coal Corp. Captain Mine	Percy	3,028,455	5	4'4"
S-14	Freeman United Coal Mng., #11	DuQuoin	999,490	6	6'0"
S-33	Consolidation Coal Co., Burning Star #2	DuQuoin	1,180,726	6	6'1"
S-36	Consolidation Coal Co., Burning Star #4	Cutler	2,007,432	5 & 6	6'
S-35	Amax Coal Co., Leahy Mine	Campbell Hill	2,342,907	5 & 6	3'8"
					5'11"
					4'0"
					5'9"
<b>RANDOLPH COUNTY</b>					
S-19	Consolidation Coal Co., Burning Star #3	Sparta	1,166,340	5	4'3"
S-20	Peabody Coal Co., Baldwin Mine	Marissa	1,681,638	6	6'6"
S-13	Peabody Coal Co., Pit #6	Marissa	2,296,660	6	6'6"
S-7	Southwestern Ill. Coal Corp., Streamline	Percy	1,095,690	5 & 6	5'
					6'
S-7	Zeigler Coal Co., Spartan	Sparta	610,318	6	6'6"
S-83	Zeigler Coal Co., #11	Coulterville	281,731	6	7'
L-11	Southern Ill. Minerals, Sparta #6	Carbondale	22,367	6	5'
<b>ST. CLAIR COUNTY</b>					
S-94	Peabody Coal Co., Pit #3	New Athens	449,735	6	6'6"
S-97	Peabody Coal Co., River King U/G	Freeburg	1,775,574	6	6'6"
<b>SALINE COUNTY</b>					
S-1	Sahara Coal Co., #6	Harrisburg	677,938	6	4'6"
S-56	Sahara Coal Co., #20	Harrisburg	501,543	5	5'
S-57	Sahara Coal Co., #21	Harrisburg	466,816	5	4'4"
L-130	Jader Fuel #1	Shawneetown	76,208	2 & 3	3'0"
L-131	Brown Brothers Excavating	Harrisburg	62,648	2	4'2"
L-128	Big Ridge Coal Co.	Raleigh	22,563	6	4'4"
<b>STARK COUNTY</b>					
S-1	Midland Coal Co., Allendale Mine	Wyoming	110,187	6	3'6"
<b>VERMILION COUNTY</b>					
L-242	Lee Coal Co.	Oakwood	121,560	7	6'
<b>WABASH COUNTY</b>					
S-1	Amax Coal Co., Wabash Mine	Keensburg	1,717,690	5	6'6"
<b>WILLIAMSON COUNTY</b>					
S-4	Amax Coal Co., Delta	Marion	453,795	6	5'4"
L-254	Cold Water Coal Co., #1	Herrin	12,630	6	8'
L-268	Crenshaw Coal Co., #1	Cartersville	2,518	5	3'6"
L-267	Crenshaw Coal Co., #2	Cartersville	5,512	6	5'
L-257	E & B Coal Co., #1	Cartersville	36,574	5	3'10"
L-264	E & B Coal Co., #2	Cartersville	24,818	6	8'
S-99	Freeman United Coal Co., #4	Marion	842,707	6	5'6"
L-295	Harrisburg Coal Co., #1	Marion	84,623	5	4'2"
L-265	Oxford Construction Co., #4	Marion	5,170		
S-100	Peabody Coal Co., Will Scarlet	Stonefort	530,759	New Burnside	8'
				Davis	6'6"
				Dekovan	6'
L-256	So. Ill. Minerals Carb #1	Carbondale	5,258	5	6'
L-266	Claude White Co., North Side	Marion	8,849	6	6'
L-259	Williamson Coal Co., Mine #1	Energy	208,839	5	0'40"
S-83	Zeigler Coal Co., #4	Johnston City	404,897	6	8'
L-262	D. D. Thomas Mine	Stonefort	5,757	4	2'2"
L-260	Illinois Coal, Oil & Gas Co.	Spillertown	2,000	6	8'
L-255	Jader Fuel Co., #2	Shawneetown	62,441	6	5'10"
L-261	Malone Mine, #1	Thompsonville	3,398	Unk	24'-30"



## CHARACTERISTICS OF ALL MINES — 1977 — (Concluded)

Shaft, slope, drift or strip	Depth surface to seam	Long wall or pillar and room	Mining	Haulage	Hoisting	Loading	Open or closed lights	Total tons of coal produced since mine opened	Year mine opened
			Hand, machine or both			Hand, machine or both			
Strip	93' 10"							56,603,062	1964
Strip	68' 3"	Strip						65,770,199	1929
Strip	70'	Strip						35,340,815	1950
Strip	92' 5'	Strip						9,874,100	1973
Strip	40' 90'	Strip							
Strip	61.9'	Strip						16,558,477	1971
Strip	41.2'								
Strip	56'	Strip						15,747,640	1966
Slope	125'	P & R	Machine	Belt	Electric	Machine	Closed	8,555,253	1972
Strip	87'	Strip						5,261,054	1957
Strip	75'	Strip						4,948,583	1936
Slope	200'	P & R	Machine	Belt	Electric	Machine	Closed	18,911,129	1952
Slope	210'	P & R	Machine	Belt	Electric	Machine	Closed	296,351	1975
Strip	38'	Strip						22,367	1977
Strip	86'	Strip						10,036,492	1960
Slope	115'	P & R	Machine	Belt	Electric	Machine	Closed	12,895,588	1970
Strip	45' 110'	Strip						28,970,980	1936
Slope	223'	P & R	Machine	Belt	Electric	Machine	Closed	3,946,725	1970
Slope	240'	P & R	Machine	Belt	Electric	Machine	Closed	3,777,572	1971
Strip	30'	Strip						530,394	1971
Strip	45'	Strip						387,774	1971
Strip	59'	Strip						22,563	1977
Strip	65' 85'	Strip						408,506	1960
Strip	18'	Strip						216,034	1975
Shaft & Slope	750'	P & R	Machine	Belt	Electric	Machine	Closed	5,588,735	1973
Strip	87' 9'	Strip						30,093,344	1946
Strip	25'	Strip						95,462	1970
Strip	25' 30'	Strip						2,518	1977
Strip	15' 20'	Strip						5,512	1977
Strip	40' 45'	Strip						174,860	1974
Strip	25' 30'	Strip						24,818	1977
Slope	275'	P & R	Machine	Belt	Electric	Machine	Closed	27,430,203	1952
Slope	125'	P & R	Machine	Belt	Electric	Machine	Closed	1,558,872	1949
Strip	35'	Strip						5,170	1977
Strip	75'	Strip						18,357,744	1953
Strip	40'	Strip						866,184	1974
Strip	35'	Strip						8,849	1977
Strip	40'	Strip						418,698	1975
Slope	232'	Slope	Machine	Belt	Electric	Machine	Closed	26,498,403	1943
Strip	20'	Strip						13,734	1976
Strip	25'	Strip						5,401	1977
Strip	40'	Strip						62,441	1975
Strip	10' 40'	Strip						4,732	1976

## II PRODUCTION—TABLE 14—TOTAL PRODUCTION OF COAL IN TONS BY COUNTIES, 1882-1977

County	1977 production	Total production to date	County	1977 production	Total production to date
Adams . . . . .		341,914	Menard . . . . .		12,462,005
Bond . . . . .		7,355,569	Mercer . . . . .		15,519,862
Brown . . . . .		65,347	Monroe . . . . .		8,284
Bureau . . . . .		53,823,055	Montgomery . . . . .	1,854,058	132,730,974
Calhoun . . . . .		96,247	Morgan . . . . .		190,787
Cass . . . . .		212,477	Moultrie . . . . .		2,032,236
Christian . . . . .	2,807,593	319,454,411	Peoria . . . . .	917,492	93,181,505
Clark . . . . .		4,482	Perry . . . . .	9,559,010	328,183,418
Clay . . . . .		801	Pike . . . . .		5,081
Clinton . . . . .	99,504	38,755,829	Pope . . . . .		23,747
Coles . . . . .		198,932	Putnam . . . . .		10,071,893
Crawford . . . . .		45,400	Randolph . . . . .	7,154,244	146,479,387
Douglas . . . . .	2,677,394	24,546,209	Richland . . . . .		154
Edgar . . . . .		915,698	Rock Island . . . . .		3,846,169
Effingham . . . . .		796	St. Clair . . . . .	2,225,309	345,740,658
Franklin . . . . .	4,750,772	601,082,496	Saline . . . . .	1,807,716	249,267,234
Fulton . . . . .	2,759,200	297,010,679	Sangamon . . . . .		233,449,607
Gallatin . . . . .	1,606,414	26,720,016	Schuyler . . . . .		7,747,691
Greene . . . . .		693,191	Scott . . . . .		612,476
Grundy . . . . .		40,872,430	Shelby . . . . .	110,187	4,119,763
Hamilton . . . . .		22,097	Stark . . . . .		9,569,336
Hancock . . . . .		771,281	Tazewell . . . . .		17,633,802
Hardin . . . . .		40	Vermilion . . . . .	121,560	165,173,007
Henry . . . . .		22,910,053	Wabash . . . . .	1,717,690	5,786,961
Jackson . . . . .	1,467,700	99,866,184	Warren . . . . .		685,466
Jasper . . . . .		23,739	Washington . . . . .		18,165,386
Jefferson . . . . .	4,768,087	105,898,250	White . . . . .		1,676,741
Jersey . . . . .		120,350	Williamson . . . . .	2,700,545	420,635,723
Johnson . . . . .	1,100	303,908	Woodford . . . . .		7,810,160
Kankakee . . . . .		19,192,105	Will . . . . .		37,553,733
Knox . . . . .	1,151,893	64,072,178			
LaSalle . . . . .		65,547,638			
Livingston . . . . .		10,111,437			
Logan . . . . .		14,533,376			
Macon . . . . .		11,000,468			
Macoupin . . . . .	3,622,966	284,311,714			
McDonough . . . . .		2,634,903			
McLean . . . . .		5,544,139	Total Prod. 1977 . . . . .	53,880,434	
Madison . . . . .		164,295,772	Total 1882-1977 . . . . .		4,607,742,199
Marion . . . . .		39,247,722	Est. Prod. 1833-1881 . . . . .		73,386,123
Marshall . . . . .		12,516,141	Total Prd. 1833-1977 . . . . .		4,681,128,322

## II PRODUCTION—TABLE 15—SUMMARY OF THE VARIOUS SEAMS OF COAL, KIND OF OPENING, MANNER OF WORK, AND TONS PRODUCED FROM EACH SEAM

Number of seam	Number of		Kind of opening				Manner of work			Total tons produced
	Counties	Mines	Shaft	Drift	Slope	Strip	Pillar & room	Long- wall	Strip	
2	2	2				2			2	621,839
3	1	1				1			1	76,208
4	1	1				1			1	5,757
5	9	14			4	10	4		10	6,847,969
6	18	46	12		9	25	20		25	45,081,121
7	1	1				1			1	121,560
Opdyke	1	1				1			1	434,219
Murphys-										
boro	1	1				1			1	52,434
Unk	1	1				1			1	3,398
New										
Burnside	1	1				1			1	5,170
Davis										
Dekovan	1	1				1			1	530,759
Total . . .		70	12		13	45	24		45	53,880,434

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### III *Labor and Employment*

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# III LABOR AND EMPLOYMENT — TABLE 16 — NON-FATAL ACCIDENTS BY COUNTIES AND MONTHS — 1977

Name of Operators	Number injured	Number not returned	Days lost by men returned		Loss of 3 days but less than 30 days		Loss of 30 days or more		Month in which accident occurred	Number injured		
			Total	Average	Number injured	Days lost		Number injured			Average	
						Total	Average					
CHRISTIAN COUNTY												
Peabody Coal Co., #10	57	9	1,698	35	30	487	16	18	1,211	67	January	2
											February	8
											March	10
											April	4
											May	1
											June	3
											July	2
											August	4
											September	8
											October	4
											November	10
											December	1
Total	57	9	1,698	35	30	487	16	18	1,211	67		57
CLINTON COUNTY												
Monterey Coal Co., #2	3		87	29	2	17	8	1	70	70	January	0
											February	0
											March	0
											April	0
											May	0
											June	0
											July	0
											August	0
											September	1
											October	2
											November	0
											December	0
Total	3		87	29	2	17	8	1	70	70		3

## DOUGLAS COUNTY

Ziegler Coal Co., Murdock	27	6	550	26	14	192	14	7	358	51	January	2
Ziegler Coal Co., #5	32	.....	1,071	33	18	237	13	14	834	60	February	3
											March	7
											April	2
											May	7
											June	7
											July	4
											August	6
											September	4
											October	10
											November	7
											December	0
Total	59	6	1,621	31	32	429	13	21	1,192	57		59

## FRANKLIN COUNTY

Old Ben Coal Co., #21	33	.....	998	30	22	346	16	11	652	59	January	4
Old Ben Coal Co., #24	28	.....	896	32	17	239	14	11	655	60	February	4
Old Ben Coal Co., #25	6	.....	158	26	3	37	12	3	121	40	March	8
Old Ben Coal Co., #26	18	.....	401	22	14	256	18	4	145	24	April	6
											May	11
											June	7
											July	3
											August	8
											September	7
											October	7
											November	17
											December	3
Total	85	.....	2,451	29	56	878	16	29	1,573	54		85

## FULTON COUNTY

Amox Coal Co., Sunspot	4	.....	661	165	1	16	16	3	645	215	January	2
Consolidation Coal, Norris	3	.....	314	105	1	19	19	2	295	146	February	2
Freeman United Coal Co., #17	6	.....	468	78	3	41	14	3	427	142	March	0
Midland Coal Co., Rapatee	4	.....	216	54	3	42	14	1	174	174	April	2
											May	4
											June	2
											July	2
											August	1
											September	0
											October	3
											November	1
											December	0
Total	17	.....	1,659	98	8	118	15	9	1,541	171		17

III LABOR AND EMPLOYMENT—TABLE 16—NON-FATAL ACCIDENTS BY COUNTIES AND MONTHS—1977—  
(Continued)

Name of Operators	Number injured	Number not returned	Days lost by men returned		Loss of 3 days but less than 30 days			Loss of 30 days or more			Month in which accident occurred		
			Total	Average	Number injured	Days lost		Number injured	Days lost				
						Total	Average		Total	Average			
GALLATIN COUNTY Peabody Coal, Eagle Surface Peabody Coal, Eagle U/G	13 119	..... .....	1,058 7,066	81 59	6 45	83 701	14 16	7 74	975 6,365	139 86	January February March April May June July August September October November December	3 9 11 10 13 10 13 15 16 16 15 1 1	
	132	.....	8,124	62	51	784	15	81	7,340	91		132	
	JACKSON COUNTY Consolidation, BS #5 Southern II, Mineral, Sato #5	2 1	..... .....	55 44	28 44	1 0	8 0	8 0	1 1	47 44	47 44	January February March April May June July August September October November December	0 0 0 1 0 1 0 0 0 1 0 0
		3	.....	99	33	1	8	8	2	91	46		3

## JEFFERSON COUNTY

Freeman United, Orient #3.  
Freeman United, Orient #6.  
Inland Steel Coal Co., #1.  
Robertson & Assoc., Eads

89	.....	4,074	46	46	594	13	43	3,480	81	January	19
76	.....	4,150	54	33	441	13	43	3,689	86	February	8
8	.....	381	173	5	56	11	8	398	123	March	10
9	.....	346	38				4	290	23	April	14
										May	15
										June	14
										July	22
										August	14
										September	16
										October	16
										November	30
										December	3
182	.....	9,531	52	84	1,091	13	98	8,440	86		182

Total

## KNOX COUNTY

Midland Coal Co., Mecco

15	.....	700	47	8	122	15	7	578	83	January	1
										February	0
										March	1
										April	2
										May	0
										June	4
										July	3
										August	1
										September	2
										October	1
										November	0
										December	0
15	.....	700	47	8	122	15	7	578	83		15

Total

## MACUPIN COUNTY

Freeman United, Crown II  
Monterey Coal Co., #1.

59	.....	1,394	24	45	574	13	14	820	59	January	1
22	.....	542	25	16	249	16	6	293	49	February	6
										March	8
										April	3
										May	6
										June	9
										July	6
										August	14
										September	6
										October	14
										November	8
										December	0
81	.....	1,936	24	61	823	13	20	1,113	56		81

Total





## PERRY COUNTY

3	1	173	87	1	8	8	1	165	165	January	3
4	.....	259	65	1	24	24	3	235	78	February	1
3	.....	182	61	1	13	13	2	169	85	March	0
13	.....	938	72	5	108	22	8	830	104	April	4
8	.....	367	46	4	50	13	4	317	79	May	4
	.....									June	3
	.....									July	1
	.....									August	2
	.....									September	2
	.....									October	1
	.....									November	6
	.....									December	1
31	1	1,919	64	12	203	17	18	1,716	95		31
Total											

## RANDOLPH COUNTY

32	.....	1,533	48	11	194	18	21	1,339	64	January	5
20	5	287	44	8	111	11	7	252	75	February	1
4	.....	114	72	1	25	25	3	262	87	March	3
5	.....	114	23	4	53	13	1	61	61	April	9
17	.....	545	32	11	147	13	6	398	66	May	5
7	.....	302	43	4	61	15	3	241	80	June	3
	.....									July	7
	.....									August	17
	.....									September	9
	.....									October	13
	.....									November	11
	.....									December	2
85	5	3,446	43	39	591	15	41	2,855	70		85
Total											

## ST. CLAIR COUNTY

6	.....	462	77	1	18	18	5	444	89	January	2
27	.....	1,530	57	9	137	15	18	1,393	77	February	1
6	.....	356	59	2	44	22	4	312	78	March	5
	.....									April	6
	.....									May	4
	.....									June	5
	.....									July	4
	.....									August	2
	.....									September	4
	.....									October	5
	.....									November	3
	.....									December	6
39	.....	2,348	60	12	199	17	27	2,149	80		39
Total											

Peabody Coal, River King #3  
 Peabody Coal, River King #1  
 Peabody Coal, River King, Prep. Plant.

III LABOR AND EMPLOYMENT — TABLE 16 — NON-FATAL ACCIDENTS BY COUNTIES AND MONTHS — 1977 —  
(Concluded)

Name of Operators	Number injured	Number not returned	Days lost by men returned		Loss of 3 days but less than 30 days		Loss of 30 days or more			Month in which accident occurred	Number injured	
			Total	Average	Number injured	Days lost		Number injured	Days lost			
						Total	Average		Total			Average
SALINE COUNTY												
Sahara Coal Co., #6	23	.....	1,162	51	12	204	17	11	958	87	January	4
Sahara Coal Co., #20	31	.....	1,966	63	14	187	13	17	1,779	105	February	6
Sahara Coal Co., #21	27	.....	1,165	43	16	259	16	11	906	82	March	5
Brown Bros. Excavating #2	1	.....	23	23	1	23	23				April	10
											May	11
											June	7
											July	10
											August	4
											September	7
											October	6
											November	11
											December	1
Total	82	.....	4,316	53	43	673	16	39	3,643	93		82
SCHUYLER COUNTY												
Peabody Coal, Key Shop	3	.....	45	15	3	45	15				January	0
											February	0
											March	2
											April	0
											May	1
											June	0
											July	0
											August	0
											September	0
											October	0
											November	0
											December	0
Total	3	.....	45	15	3	45	15					3

## STARK COUNTY

Midland Coal Co., Allendale

1	.....	15	15	1	15	15	.....	.....	January February March April May June July August September October November December
1	.....	15	15	1	15	15	.....	.....	0 0 1 0 0 0 0 0 0 0 0 0
Total	.....	15	15	1	15	15	.....	.....	1

## WABASH COUNTY

Anax Coal Co., Wabash

55	.....	1,956	36	40	598	15	1,358	91	January February March April May June July August September October November December
55	.....	1,956	36	40	598	15	1,358	91	2 5 6 6 6 6 2 11 1 6 4 0
Total	.....	1,956	36	40	598	15	1,358	91	55

## WILLIAMSON COUNTY

Anax Coal Co., Delta  
 Freeman United, Orient #4  
 Harrisburg Coal Co., #1  
 Williamson Coal Co., #1  
 Peabody Coal Co., Will Scarlet  
 Zeigler Coal Co., #4

1	.....	41	41	13	172	13	41	41	January February March April May June July August September October November December
24	.....	714	30	13	64	21	542	49	7 3 4 8 4 8 6 6 7 13 0
1	.....	99	99	3	16	5	100	100	
6	.....	357	66	1	369	13	99	99	
36	.....	1,360	38	23			381	76	
72	.....	2,775	39	40	621	16	991	76	
Total	.....	2,775	39	40	621	16	2,154	67	72
Total All Mines	21	45,962	46	538	7,912	15	38,070	81	1,030



## ACCIDENTS

III LABOR & EMPLOYMENT—TABLE 17—COMPARATIVE  
STATISTICS OF FATAL AND NON-FATAL ACCIDENTS  
FOR THE PERIOD 1928 TO 1977 INCLUSIVE, NON-FATAL  
ACCIDENTS OF 7 DAYS OR MORE LOST TIME

Year	Accidents		Tons mined to one —		Employees to one —	
	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal
1928	139	5,785	404,396	9,392	471	11
1929	109	6,621	560,805	9,232	538	9
1930	112	5,106	482,456	10,580	500	11
1931	90	3,800	501,696	11,854	595	14
1932	114	2,643	299,205	12,884	552	19
1933	71	3,018	539,720	12,697	683	16
1934	96	3,133	485,164	13,318	576	16
1935	82	3,147	548,942	14,304	599	16
1936	93	3,165	553,504	16,263	528	16
1937	83	2,887	655,810	18,854	561	16
1938	84	2,240	504,612	18,923	516	19
1939	80	1,887	595,343	25,240	511	22
1940	83	2,091	624,603	20,020	447	18
1941	92	2,096	601,801	26,414	406	18
1942	94	2,546	710,066	25,784	319	14
1943	97	3,017	756,131	24,317	339	11
1944	87	3,578	889,955	21,632	368	9
1945	75	3,350	979,292	21,924	414	9
1946	61	2,908	1,045,362	20,552	532	11
1947	204	2,618	334,927	26,098	160	12
1948	68	2,270	973,041	29,148	484	14
1949	38	1,658	1,253,431	28,727	827	19
1950	45	1,629	1,272,940	35,164	690	19
1951	154	1,494	356,297	36,727	190	20
1952	31	1,122	1,475,890	40,778	768	21
1953	28	920	1,641,647	49,963	677	21
1954	23	736	1,816,337	57,622	725	23
1955	18	651	2,539,531	70,217	757	21
1956	20	665	2,390,202	71,886	647	19
1957	21	542	2,222,956	86,131	609	24
1958	9	449	4,864,125	97,499	1,265	25
1959	10	475	4,537,463	95,525	1,089	23
1960	10	385	4,582,063	119,015	1,053	27
1961	7	368	6,447,503	122,643	1,278	24
1962	20	418	2,417,696	115,679	439	21
1963	16	445	3,227,652	116,050	556	20
1964	9	435	6,092,720	126,056	1,009	21
1965	13	468	4,479,421	124,428	676	19
1966	9	474	7,023,633	133,360	999	19
1967	20	524	3,240,739	123,692	440	17
1968	15	494	4,142,872	125,796	636	19
1969	12	521	5,402,715	124,439	799	18
1970	15	618	4,325,607	104,990	681	17
1971	15	535	3,684,349	109,187	704	20
1972	11	607	5,956,490	107,943	1,022	19
1973	6	488	10,258,111	126,124	1,902	23
1974	12	465	4,839,387	124,887	1,039	27
1975	8	577	7,442,377	103,187	1,706	24
1976	3	721	19,378,715	80,633	4,911	21
1977	4	1,030	13,470,109	52,311	4,029	16

TABLE 18—TONS OF COAL MINED, NUMBER EMPLOYED, NUMBER KILLED AND INJURED, TONS MINED TO ONE MAN KILLED AND INJURED, AND RATIOS PER 1,000 EMPLOYED AND PER 1,000,000 TONS MINED—1882-1977, INCLUDING INJURIES INVOLVING LOSS OF 30 DAYS OR MORE

Year	Tons mined	Number employed	Accidents		Tons mined to one man			Accidents		Per 1,000,000 tons mined	
			Fatal	Non-fatal	Killed	Injured	Fatal	Non-fatal	Fatal	Non-fatal	
1882	9,115,661	20,290	40	50	227,892	182,313	2.0	2.5	4.4	5.5	
1883	10,508,785	23,939	134	231	78,424	45,493	5.6	9.1	12.8	22.0	
1884	10,101,004	25,575	46	197	219,587	51,274	1.8	7.7	4.6	19.5	
1885	9,791,874	25,946	39	147	251,074	66,611	1.5	5.7	4.0	15.0	
1886	9,246,435	25,846	52	171	177,816	54,073	2.0	6.6	5.6	18.5	
1887	10,278,890	26,804	41	180	250,905	57,105	1.5	6.7	4.7	17.5	
1888	11,855,188	29,410	55	179	215,549	56,230	1.9	6.1	3.6	17.3	
1889	11,537,963	30,076	42	201	276,142	42,988	1.4	6.7	3.2	23.4	
1890	12,638,364	28,574	53	294	238,460	42,988	1.9	10.3	3.9	23.4	
1891	17,860,698	32,632	57	370	313,373	48,272	1.7	11.0	3.2	20.7	
1892	13,862,576	35,390	69	403	289,124	49,502	1.9	11.4	3.5	20.2	
1893	19,949,564	38,477	72	521	237,690	32,848	1.9	13.5	4.2	30.4	
1894	17,113,576	38,377	75	605	236,478	29,315	1.9	15.7	4.2	34.1	
1895	17,735,864	38,630	77	672	256,969	29,444	2.1	18.1	3.9	34.0	
1896	20,072,758	33,788	69	518	290,909	38,750	2.0	15.3	3.4	25.8	
1897	18,599,299	35,026	75	438	247,991	42,464	2.1	12.5	4.0	23.5	
1898	23,434,445	36,901	84	597	278,981	39,254	2.3	16.2	3.6	25.5	
1899	25,153,929	39,384	94	611	267,559	41,168	2.4	15.5	3.7	24.3	
1900	26,635,319	44,143	99	422	269,549	63,235	2.2	9.6	3.8	15.8	
1901	30,021,300	46,003	99	406	303,245	73,944	2.2	8.8	3.3	13.5	
1902	34,955,400	49,814	156	410	224,073	85,257	3.1	9.2	4.5	11.7	
1903	37,077,897	54,774	157	507	224,073	73,132	2.9	9.3	5.2	13.7	
1904	37,183,374	59,230	199	535	285,852	69,902	3.4	9.0	5.4	14.4	
1905	38,317,581	62,283	195	535	247,210	79,828	2.6	9.7	4.0	12.5	
1906	47,798,621	66,714	165	636	289,089	75,195	2.5	9.5	3.5	13.3	
1907	49,272,456	70,941	163	636	269,248	60,162	2.6	11.6	3.7	16.6	
1908	48,719,853	72,723	183	819	230,816	54,993	2.9	12.3	4.3	18.2	
1909	49,163,710	74,634	213	894	119,995	65,657	5.4	9.9	8.3	15.2	
1910	48,717,853	77,410	406	742	319,523	70,755	2.0	9.2	3.1	14.2	
1911	50,165,089	77,410	157	709	319,523	70,755	2.0	9.2	3.1	14.2	
1912	57,514,240	79,411	180	800	315,524	71,893	2.3	10.7	3.1	13.9	
1913	61,846,204	79,497	175	1,025	353,407	60,338	2.2	12.9	2.8	16.2	

1914	60,715,795	80,035	159	1,079	381,860	56,691	2,0	13,4	2,6	17,6
1915	57,601,694	75,607	180	1,013	320,009	56,870	2,4	13,4	3,1	17,6
1916	63,673,530	75,919	165	1,305	385,900	48,732	2,2	20,2	2,6	20,5
1917	78,963,917	80,893	207	1,884	387,013	37,311	2,2	20,2	2,6	20,5
1918	81,117,822	80,893	207	2,181	387,013	37,311	2,2	20,2	2,6	20,5
1919	75,099,782	80,897	208	2,620	361,057	41,668	2,8	23,7	2,9	24,0
1920	73,920,653	88,132	181	3,571	361,057	28,668	2,3	28,8	2,8	34,9
1921	80,121,948	88,132	181	3,571	408,401	20,700	2,5	40,5	2,4	48,3
1922	83,276,827	95,763	222	4,327	360,910	18,517	2,3	45,2	2,8	54,0
1923	75,514,095	93,050	159	3,879	397,962	16,315	1,6	39,5	2,5	61,3
1924	72,308,665	103,566	161	3,615	469,032	20,889	1,6	34,9	2,1	47,9
1925	79,765	89,765	184	3,895	392,982	18,565	1,8	39,0	2,5	53,9
1926	103,186,166	81,684	183	4,712	563,859	21,713	2,4	57,7	1,8	46,0
1927	69,949,700	77,732	165	3,083	423,111	22,642	2,1	39,7	2,4	48,2
1928	46,949,700	78,572	106	1,398	442,922	33,953	1,3	18,0	2,3	29,6
1929	61,127,785	65,508	139	2,176	404,996	25,832	2,1	33,2	2,5	38,7
1930	56,211,082	56,596	107	2,352	360,865	20,861	2,0	32,8	2,1	34,0
1931	45,152,626	53,550	112	1,837	489,495	29,415	2,0	32,8	2,1	34,0
1932	45,152,626	53,550	90	1,530	401,696	29,512	1,7	26,6	2,0	33,9
1933	38,320,125	48,454	114	961	299,305	35,879	2,2	18,4	3,3	27,9
1934	41,724,078	48,454	71	1,197	539,720	32,013	1,5	24,7	1,9	31,2
1935	45,013,278	49,100	82	1,122	485,164	37,522	1,8	23,1	2,1	26,9
1936	51,475,899	49,142	93	1,145	548,907	36,743	1,7	24,9	1,8	27,2
1937	54,432,255	46,580	82	1,023	553,504	44,957	1,9	23,3	1,8	22,2
1938	42,387,368	43,420	85	816	631,714	51,253	1,8	22,0	1,5	18,8
1939	47,627,454	40,909	80	837	504,612	51,945	2,0	18,7	2,0	19,3
1940	51,871,704	36,019	83	774	595,343	56,963	2,0	20,5	1,7	17,6
1941	55,365,635	37,587	92	930	624,803	67,008	2,2	20,4	1,7	15,0
1942	56,843,784	38,447	94	963	701,891	67,008	2,2	20,4	1,7	15,0
1943	73,344,761	32,852	97	1,175	756,396	66,882	2,6	27,3	1,4	15,0
1944	77,400,031	32,019	87	1,285	889,655	62,412	3,0	36,8	1,3	16,0
1945	73,446,930	31,109	75	1,260	889,655	60,233	2,7	40,1	1,1	16,6
1946	63,767,082	32,476	61	1,001	979,292	58,291	2,4	40,5	1,0	17,2
1947	68,325,241	32,686	204	1,203	1,045,362	63,703	1,9	30,8	1,0	15,7
1948	66,166,805	32,924	68	796	385,979	26,098	6,2	36,8	3,0	17,6
1949	47,630,380	31,434	38	565	973,041	83,124	2,0	24,2	1,0	12,0
1950	57,282,303	31,067	45	557	1,253,431	84,301	1,2	18,0	1,8	11,9
1951	54,869,679	29,329	154	560	1,272,940	102,841	1,4	18,0	8	9,7
1952	45,752,688	23,821	31	441	356,297	97,961	5,2	19,1	2,8	10,2
1953	43,466,134	16,565	28	399	1,475,890	103,747	1,3	18,5	7	8,9
1954	43,466,134	16,565	28	399	1,641,697	104,897	1,3	18,5	7	8,9
1955	45,771,552	13,623	18	266	1,641,697	129,327	1,4	19,4	65	7,7
1956	47,804,040	12,936	284	266	2,539,531	171,846	1,3	19,5	39	5,8
1957	46,682,889	12,781	21	217	2,390,202	168,324	1,5	22,0	42	5,9
1958	43,777,130	11,386	9	197	2,222,995	215,129	1,6	17,0	45	4,5
1959	45,374,626	10,897	10	194	4,864,125	222,219	0,8	17,3	21	4,5
1960	45,820,632	10,533	10	167	4,537,063	233,890	0,9	17,8	22	4,3
1961	45,132,526	8,945	7	158	4,542,463	274,375	0,9	15,8	22	3,6
1962	45,353,913	8,774	7	156	6,447,503	285,649	0,8	17,7	15	3,5
1963	51,642,431	8,891	16	195	2,417,696	246,704	2,3	22,3	41	4,0
1964	54,834,488	9,079	9	207	3,227,652	264,833	1,9	21,9	31	3,8
					6,052,720	264,901	1,0	22,7	16	

# III LABOR AND EMPLOYMENT—TABLE 18—(Concluded)

Year	Tons mined	Number employed	Accidents		Tons mined to one man		Accidents			
			Fatal	Non-fatal	Killed	Injured	Fatal	Non-fatal	Per 1,000,000 tons mined	
									Per 1,000 employed	Non-fatal
1965	58,232,480	8,790	13	218	4,479,421	267,121	15	248	22	37
1966	63,212,697	8,994	9	214	7,023,653	295,386	10	238	14	34
1967	64,814,771	8,805	20	216	3,240,492	300,068	23	245	31	33
1968	62,143,076	9,538	15	219	4,162,792	283,758	16	230	24	35
1969	64,832,584	9,591	12	229	5,402,715	283,112	13	241	19	26
1970	64,884,103	10,214	15	272	4,326,607	238,544	15	266	23	40
1971	58,415,239	10,571	15	276	3,894,349	247,522	14	223	25	41
1972	65,521,394	11,237	11	271	5,956,490	241,777	10	241	17	34
1973	61,548,670	11,409	6	262	10,258,111	290,324	053	186	21	45
1974	58,072,640	12,467	12	246	4,839,387	221,651	096	210	13	41
1975	59,539,019	13,646	8	721	7,442,377	242,029	059	180	05	12.4
1976	58,136,144	14,731	3	721	19,378,715	80,633	020	45.0	07	19.1
1977	53,880,434	16,114	4	1,030	13,470,109	52,311	025	63.9		
Average 96 years.	47,875,230	41,412	91	919	526,101	52,095	220	22.2	1.90	19.2

† July 1, 1924 to December 31, 1925.

Note.—From 1882 to 1890 only net tons are shown.



### III LABOR AND EMPLOYMENT—TABLE 19—FATAL ACCIDENTS BY OCCUPATION AND CAUSES, 1977

Occupation	Underground						In Shaft			On Surface				
	Fall of roof and slides	Machinery	Haulage	Electricity	Mine Fires	Other Causes	Total	Falling Down Shaft	Cage	Other Causes	Total	Explosives	Drowning	Other Causes
Roof Bolter.....	1						1				0			
Repairman.....	1	1					2				0			
Welder.....										1				
Total.....	2	1					3			1	1			
														4

### III LABOR AND EMPLOYMENT—TABLE 20—CAUSES OF FATAL ACCIDENTS BY YEARS—1882-1977

Year	Total number killed	Underground						In Shaft				On Surface			
		Fall of roof and slides	Gas explosions	Haulage	Electricity	Explosives	Other causes	Total	Falling down shaft	Cage	Other causes	Total	Machinery	Railway cars	Other causes
1882.....	40	26				5	9	40							
1883.....	134	40	12	2		2	78	134							
1884.....	46	29	4			6	7	46							
1885.....	39	20					19	39							
1886.....	52	32		5		10		47	1		4	5			
1887.....	41	28					13	41							
1888.....	54	33		6		9		48	4	2		6			
1889.....	42	26		5		3	1	35	2	4	1	7			
1890.....	52	36	5	3		4		48				4			
1891.....	58	33	4	2		11	1	51	1	4	2	7			
1892.....	56	28	3	6		4	3	44	8	4		12			
1893.....	68	48	2	2		6	2	60	3	4	1	8			
1894.....	70	43		6		8		57	5	8		13			
1895.....	75	38	5	6		12	2	63	5	4	1	10	1	1	2
1896.....	77	41	2	9		9	2	63	6	5		11	1	1	3
1897.....	69	46	2	1		11		60	6		1	7	1	1	2
1898.....	75	43	7	3		11	2	66	4	2		6	1	1	3
1899.....	84	51	5	6		6	6	74	4	5		9	1	1	3
1900.....	94	51	1	11		20		83	1	4	2	7	2		4
1901.....	99	57	1	14		20	3	95	1	1		2		2	2
1902.....	99	55		15		17	1	88	7	2		9		2	1
1903.....	156	77	8	18	1	41	2	147	2	6		8		1	9
1904.....	157	65		21	1	44	3	134	10	4		14	6	2	1
1905.....	199	80	59	11	1	32		186	5		1	12		1	9
1906.....	155	84	2	22		22	1	131	9	5	1	15	3	4	2
1907.....	165	84	4	29		25	2	145	6	8		14		4	6
1908.....	183	91	7	35	1	29	1	164	3	1	3	7	4	8	12
1909.....	213	84	44	30	2	29	1	190	5	4	1	10	3	8	13

### III LABOR AND EMPLOYMENT—TABLE 20—CAUSES OF FATAL ACCIDENTS BY YEARS—1882-1977

Year	Total number killed	Underground						In Shaft				On Surface			
		Fall of roof and slides	Gas explosions	Haulage	Electricity	Explosives	Other causes	Total	Falling down shaft	Cage	Other causes	Total	Machinery	Railway cars	Other causes
1910	406	65	20	23	3	17	258	386	3	6	9	3	5	3	18
1911	157	80	8	40	1	10	4	143	5	2	9	3	3	2	5
1912	180	98	3	38	3	13	12	167	6	0	10	2	2	1	4
1913	175	81	10	50	6	10	5	162	4	1	3	2	4	4	3
1914	159	83	6	40	1	6	7	148	2	1	2	2	2	2	8
1915	180	57	68	27	2	9	12	175	1	2	3	2	2	2	2
1916	165	80	12	43	4	13	1	153	4	4	4	2	6	2	2
1917	207	77	19	67	7	12	3	185	4	1	5	5	9	3	18
1918	259	100	27	70	13	20	4	234	8	8	18	4	4	3	7
1919	208	93	31	51	7	12	1	195	4	4	10	2	2	1	7
1920	181	91	7	41	14	9	5	167	8	2	10	1	2	1	3
1921	222	112	6	54	9	20	8	209	2	4	6	1	4	2	4
1922	159	71	15	29	8	17	7	147	2	1	3	6	5	1	7
1923	161	82	2	40	6	13	6	149	3	1	1	5	4	3	6
1924	184	76	40	37	5	10	8	176	2	2	4	2	2	2	7
1925	183	89	5	46	12	11	9	172	1	2	3	3	3	2	4
1926	165	85	13	39	5	7	4	153	7	1	9	1	1	1	8
1927	106	44	17	18	5	5	8	97	3	1	4	2	2	1	3
1928	139	72	23	21	2	6	5	129	1	1	2	1	4	3	5
1929	109	52	8	24	5	6	5	100	1	2	3	2	2	2	6
1930	112	72	4	20	3	2	5	106	1	1	1	1	2	2	5
1931	90	54	2	15	6	2	5	84	4	4	4	4	5	9	1
1932	114	33	54	10	4	4	4	105	3	3	3	3	1	5	8
1933	71	45	1	12	3	3	3	67	3	3	3	3	3	5	8
1934	86	48	18	5	2	5	7	78	2	1	3	2	1	4	6
1935	82	34	1	17	3	3	15	73	2	1	3	2	1	6	8
1936	93	54	12	1	2	16	85	9	75	1	1	2	2	5	7
1937	83	45	2	17	2	9	75	74	1	1	1	1	4	5	10
1938	85	41	5	16	1	5	6	74	1	1	1	1	1	2	4
1939	80	47	20	4	1	3	75	75	1	1	1	2	1	4	7
1940	84	45	1	17	2	1	9	75	1	1	1	2	1	3	3
1941	92	45	11	13	4	8	7	88	1	1	1	2	1	14	14
1942	94	47	19	2	3	9	80	85	1	1	2	2	3	5	10
1943	97	47	27	2	5	3	85	83	2	1	3	5	2	2	9
1944	87	57	19	4	2	1	83	63	2	1	3	5	2	2	3
1945	75	40	15	3	5	7	56	56	2	2	2	1	2	2	3
1946	61	31	16	2	1	7	56	192	1	1	1	2	4	5	11
1947	204	30	141	18	2	1	58	1	1	1	3	2	2	5	7
1948	68	40	14	1	1	2	4	34	1	1	1	2	2	2	4
1949	38	30	11	2	1	2	40	1	1	1	1	1	3	5	7
1950	45	24	11	2	1	2	3	147	1	1	1	2	4	7	5
1951	154	19	119	5	2	1	26	23	1	1	3	1	1	2	5
1952	31	15	8	2	1	1	16	3	1	1	3	1	1	2	4
1953	28	16	9	6	1	1	15	1	1	1	2	2	4	3	5
1954	23	9	4	1	1	1	15	1	1	1	2	2	4	3	5
1955	18	8	7	2	1	2	19	18	1	1	1	1	1	1	3
1956	20	10	2	1	1	2	18	5	1	1	1	1	3	3	3
1957	21	14	2	1	1	1	7	4	1	1	1	1	2	3	6
1958	9	4	1	1	1	1	4	5	1	1	1	1	1	2	3
1959	10	6	1	1	1	1	4	7	1	1	1	1	1	1	2
1960	10	2	1	1	1	1	5	17	1	1	1	2	1	1	3
1961	7	3	1	1	1	1	5	12	1	1	1	2	1	1	4
1962	20	4	11	1	1	1	4	7	1	1	1	2	1	1	2
1963	16	8	1	1	1	1	2	6	1	1	1	2	1	1	4
1964	9	3	1	1	1	1	5	11	1	1	1	5	2	2	9
1965	13	4	1	1	1	1	8	1	1	1	1	6	2	2	7
1966	9	5	1	1	1	1	11	8	1	1	1	2	1	1	3
1967	20	4	1	3	1	3	11	2	1	1	1	2	2	2	9
1968	15	5	1	1	1	2	8	4	1	1	1	6	4	8	7
1969	12	1	1	1	1	2	8	13	1	1	1	2	1	1	2
1970	15	3	2	1	1	2	8	8	1	1	1	2	1	1	3
1971	15	6	1	2	1	3	8	9	1	1	1	2	1	1	3
1972	11	5	1	1	1	1	8	6	1	1	1	2	1	1	3
1973	6	1	1	1	1	1	8	9	1	1	1	2	1	1	3
1974	12	4	1	1	1	1	4	6	1	1	1	2	1	1	3
1975	8	4	1	1	1	1	4	6	1	1	1	2	1	1	3
1976	3	1	1	1	1	1	3	3	1	1	1	2	1	1	3
1977	4	2	1	1	1	1	3	3	1	1	1	2	1	1	3

III LABOR & EMPLOYMENT—TABLE 21—COMPARATIVE  
STATISTICS OF FATAL ACCIDENTS FOR THE PERIOD  
1968 TO 1977 INCLUSIVE AND TONS MINED TO ONE  
MAN KILLED

Year	Fatals	Tons mined	Tons mined to one man killed	Year	Fatals	Tons mined	Tons mined to one man killed
1968	15	62,143,076	4,142,872	1973	6	61,548,670	10,258,112
1969	12	64,832,584	5,402,716	1974	12	58,072,640	4,839,387
1970	15	64,884,103	4,325,607	1975	8	59,539,019	7,442,377
1971	15	58,415,239	3,894,350	1976	3	58,136,144	19,378,715
1972	11	65,521,394	5,956,491	1977	4	53,880,434	13,470,109
Totals	68	315,796,396	4,644,065	Totals	33	291,176,907	8,823,543

III LABOR AND EMPLOYMENT — TABLE 22 — FATAL ACCIDENTS — 1977

County	Date of injury	Date of Death	Name	Residence	Age	Married	Single	Widow	Children	Dependents	Name of operator and number or letter of mine	Occupation	Cause of Death
Saline.....	4/8/77....	4/8/77....	Richard L. Beam....	Harrisburg.....	27	..	x	..	..	..	Sahara Coal Co. Mine #21.....	Repairman.	Machine
Fulton.....	5/17/77....	5/17/77....	Ray B. Fengel.....	Canton.....	46	x	..	..	1	2	Freeman United Coal Co., Buckheart #17.....	Welder.....	Electrocution
St. Clair..	8/16/77....	8/16/77....	Thomas Kowakowski...	Belleville.....	54	x	..	..	..	1	Peabody Coal Co., River King U/G.....	Roof Bolter.....	Roof Fall
Macoupin...	10/8/77....	10/8/77....	Henry O. Southard....	Auburn.....	46	x	..	..	2	3	Freeman United Coal Co., Crown II.....	Repairman.....	Roof Fall

## SUMMARY OF FATAL ACCIDENTS 1977

Mr. Richard L. Beam, age 27, single came to his death at or about the hour of 8:20 A.M. on Friday, April 8, 1977, from crushing injuries received in a mine accident at the Sahara Coal Company, #21 Mine, Saline County, Harrisburg, Illinois, where he had been employed as a Repairman.

Mr. Beam was working in Section #.009 in the last open cross-cut between #12 and #13 entry. The Section foreman, Mr. Melvin Winters said he was at the tail piece when the shuttle car operator told him that the Joy 14 BU10 loading machine needed some oil. He went to get the oil and was going to the loader when Richard Beam told him that he would take it and put it in the loader because he was finished working on the shuttle car. Mr. Winters gave him the oil. Mr. Beam and the shuttlecar operator, Mr. Joe Fritts, took the oil to the loader. When they got to the loader and put the oil in, Mr. Harold Brothers told Mr. Beam that the oil line fitting on the boom lift jack on the operator's side was leaking, therefore, Mr. Beam said he would tighten it. He told Mr. Fritts to pull his shuttle car under the tail of the loader for support and Mr. Beam crawled between the tail boom and the bumper to tighten the fitting, in the process of tightening it, he twisted the fitting off, releasing all the pressure from the boom lift jacks causing the bumper on the loader to raise to the tail's boom mashing Mr. Beam between them.

Mr. Winters and his crew proceeded to free the victim at which time Mr. Winters checked for a pulse and said the victim was not breathing and had no pulse. They immediately transported him to the top and then by ambulance to Doctors Hospital, where he was pronounced dead.

Mr. Ray B. Fengel, age 46, married, two dependents, came to his death by electrical shock at approximately 6:59 P.M., Tuesday, May 17, 1977, while in the performance of his duties as Welder at Freeman United Coal Company, Buckheart #17, Canton, Fulton County, Illinois.

Mr. Fengel was welding in box beams of the 950B stripping shovel, 10 feet, 6 inches above the ground on a staging board. He was welding a crack in the bulk head. While welding, he made contact with 4160 volts-fuse blocks with exposure at top and bottom. Scuff marks on the bulk head indicate he slid to the right, falling face up.

Raymond Bullard, Operator of the 950B, was asked to turn up the welder, he left the area to turn up the welder, and did so. He was about to enter the groundman's cab when Clarence Sprecher, groundman looked to the area where Ray Fengel was welding, and saw his head and leg hanging from the platform. Raymond Bullard and Clarence Sprecher, assisted by Gary Shellcrosslee brought the man to the ground. Gary Shellcrosslee removed a large amount of tobacco from his mouth. The victim was swallowing his tongue. Gary retrieved his tongue from his throat. First aid treatment continued by the men at the scene until the ambulance arrived. Gary Shellcrosslee, foreman, stayed with the victim and assisted with first aid to the hospital. An airway was inserted on the way to the hospital but he was pronounced dead on arrival at the hospital.

Mr. Thomas Nowakowski, age 54, married, one dependent, came to his death from a room fall, at approximately 3:00 A.M. on Tuesday, August 16, 1977, while in performance of his duties as Roof Bolter at the River King Underground #1 Mine, Freeburg, St. Clair County, Illinois.

Mr. Nowakowski and Lenard Sanders were bolting the last open cross-cut between entrys #9 and #10 in the #10 unit in the main north section. Mr. Nowakowski was bolting on the left side, he drilled his hole for the bolt and attempted to put it in with a short wrench, which was too short. Mr. Sanders said he would get him a longer wrench and went to the rear of the bolter to get one. When Mr. Sanders turned around, Mr. Nowakowski was lying on the floor with a large rock on him. Lenard Sanders ran to Mr. Nowakowski and got him by the shoulders and pulled him from under the rock and back in the clear, as more rock was about to fall. Lenard Sanders called for help and put Mr. Nowakowski on the stretcher and helped take him out, put him in a rover, brought him to the top and the ambulance people checked him briefly and they could not get a pulse. At about 3:45 a.m., St. Elizabeths Hospital called and informed us that Mr. Nowakowski was dead.

Mr. Henry O. Southard, age 46, married, three dependents, came to his death by a massive roof fall, at approximately 3:15 A.M., on Saturday, October 8, 1977, while in the performance of his duties as Repairman at the Freeman United Coal Company, Crown II, Virden, Macoupin County, Illinois.

Mr. Southard was working in the intersection on the 1st South

Section off the Main East Entries, when an unintentional roof fall occurred. Mr. Keith Brookens, Miner Operator, was trapped in the cab of the miner at the time of the fall for approximately 5 minutes, as he was backing the miner up at the time. Mr. Southard was standing in front of the miner on the operator's side in the room ahead of the machine before the fall occurred, and had walked back part way while Mr. Brookens was dragging the pan to level the bottom. The intersection was perfectly smooth according to Mr. Brookens and there were no irregularities in the roof area according to any of the workmen's knowledge no audible or visible warning, nothing working at all.

Mr. Southard was covered by the fall and was killed by the crushing injuries.

### III LABOR & EMPLOYMENT—TABLE 23— WORKING TIME—ALL MINES

	Average Days Worked			
	1976	1977	Increase ( + ) Decrease ( - )	Percent of Increase ( + ) Decrease ( - )
All Mines .....	212	197	-15	-7.1%

### III LABOR & EMPLOYMENT—TABLE 24— EMPLOYEES—ALL MINES

	Number Employed		Gain ( + ) Loss ( - )	Percent of Gain ( + ) Loss ( - )
	1976	1977		
All Mines .....	14,731	16,114	+ 1,383	+ 9.4%



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## IV *Mechanization*

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IV MECHANIZATION—TABLE 25—MACHINE MINING FOR THE  
PERIOD 1928 TO 1977 INCLUSIVE, ALL MINES

Year	Entire Output			Part of Output			Total			Per cent of	
	Mines	Ma- chines	Tons	Mines	Ma- chines	Tons	Mines	Ma- chines	Tons	Mines	Tons
1928	84	1,245	25,134,248	55	813	19,506,953	139	2,058	44,641,201	67.5	82.2
1929	92	1,324	31,883,147	47	665	18,476,517	139	1,989	50,359,664	69.5	85.2
1930	90	1,100	26,629,055	37	506	13,082,958	127	1,606	32,712,013	68.6	62.9
1931	85	1,103	28,190,836	36	282	5,425,234	111	1,385	33,616,070	66.5	78.0
1932	81	989	19,599,599	21	155	2,986,486	102	1,144	22,586,085	53.0	71.9
1933	79	905	25,237,315	15	109	2,015,606	94	1,014	27,252,921	59.1	77.0
1934	87	929	27,231,330	14	113	2,411,683	101	1,042	29,733,013	58.7	76.9
1935	88	903	28,985,205	15	107	2,144,948	103	1,010	31,130,153	56.5	75.2
1936	93	981	32,700,420	15	81	3,127,236	108	1,062	35,827,656	61.4	78.8
1937	90	884	33,816,349	13	43	740,231	103	927	34,031,392	61.3	64.9
1938	92	835	26,628,552	7	23	310,720	99	968	26,939,302	61.7	63.6
1939	92	746	30,312,078	5	9	285,292	97	755	30,597,370	66.4	71.0
1940	124	901	34,680,322	1	2	42,870	125	903	34,723,192	90.0	74.2
1941	84	957	37,951,424	4	22	197,712	88	979	38,149,136	86.0	68.9
1942	116	818	46,428,214	4	5	71,643	120	823	46,499,857	85.0	70.7
1943	100	656	51,090,624	.....	.....	.....	100	658	51,090,624	21.0	72.2
1944	189	812	56,178,300	.....	.....	.....	189	812	56,178,300	49.7	72.5
1945	184	780	53,999,655	.....	.....	.....	184	780	53,999,655	48.4	73.5
1946	201	798	46,660,727	1	2	54,189	202	800	46,714,916	54.8	73.4
1947	184	700	48,791,054	.....	.....	.....	184	700	48,791,054	52.1	71.4
1948	174	697	46,373,080	12	25	282,844	186	722	46,655,924	54.3	70.5
1949	176	694	32,890,158	8	17	103,326	184	711	32,993,484	54.6	75.1
1950	170	656	37,692,319	5	15	74,453	175	671	37,766,772	50.0	65.9
1951	167	604	36,016,095	4	11	65,163	171	615	36,081,258	56.6	65.8
1952	151	508	28,788,980	.....	.....	.....	151	508	28,788,980	57.4	62.9
1953	127	388	29,129,556	1	1	1,950	128	389	29,131,506	55.2	63.4
1954	111	334	25,204,139	3	5	14,945	114	339	25,219,084	55.3	60.4
1955	91	256	26,935,614	.....	.....	.....	91	256	26,935,614	45.9	59.0
1956	82	220	28,095,001	1	3	5,000	83	223	28,100,001	43.8	58.8
1957	80	194	26,767,434	.....	.....	.....	80	194	26,767,434	41.0	57.3
1958	74	176	23,147,089	.....	.....	.....	74	176	23,147,089	41.3	52.9
1959	65	155	23,355,034	.....	.....	.....	65	155	23,355,034	40.9	51.5
1960	61	132	23,099,304	.....	.....	.....	61	132	23,099,304	43.0	50.4
1961	55	113	22,203,257	.....	.....	.....	55	113	22,203,257	43.0	49.2
1962	47	87	23,750,040	.....	.....	.....	47	87	23,750,040	40.5	49.2
1963	42	90	24,426,009	.....	.....	.....	42	90	24,426,009	36.2	47.3
1964	40	91	24,878,351	.....	.....	.....	40	91	24,878,351	37.0	45.4
1965	36	76	25,571,422	.....	.....	.....	36	76	25,571,422	37.0	43.9
1966	29	70	27,132,171	.....	.....	.....	29	70	27,132,171	34.5	42.9
1967	25	61	27,650,000	.....	.....	.....	25	61	27,650,000	32.5	42.7
1968	23	60	26,084,430	.....	.....	.....	23	60	26,084,430	33.3	42.7
1969	28	46	30,172,627	.....	.....	.....	28	46	30,172,627	45.2	46.5
1970	29	53	31,615,570	.....	.....	.....	29	53	31,615,570	45.3	46.7
1971	27	44	29,453,926	.....	.....	.....	27	44	29,453,926	42.9	50.4
1972	26	36	31,715,795	.....	.....	.....	26	36	31,715,795	44.1	48.4
1973	24	35	32,577,353	.....	.....	.....	24	35	32,577,353	42.9	52.9
1974	23	36	31,104,112	.....	.....	.....	23	36	31,104,112	41.8	53.6
1975	21	47	31,880,083	.....	.....	.....	21	47	31,880,083	36.8	53.5
1976	23	48	30,911,696	.....	.....	.....	23	48	30,911,696	37.1	53.2
1977	25	55	29,588,971	.....	.....	.....	25	55	29,588,971	35.7	54.9

IV MECHANIZATION—TABLE 26—NUMBER OF MINES OPERATED AND TOTAL TONS MINED; STRIP MINES AND OUTPUT; NUMBER OF MINES USING MACHINES, NUMBER USED AND TONNAGE UNDERCUT; NUMBER OF MINES USING MOTORS FOR UNDERGROUND HAULAGE, NUMBER OF MOTORS USED FOR TONS HAULED; ALSO THE PERCENTAGE OF EACH CLASS—SHIPPING MINES BY YEARS—1907-1968,\* ALL MINES—1969-1977

Year	Mines operated	Total tons mined	Mined in strip mines				Machine mining				Motor hauling					
			Number of —		Per cent of —		Number of —		Per cent of —		Number of —		Per cent of —			
			Mines	Tons mined	Mines	Tons mined	Mines using	Machines used	Tons undercut	Mines	Tons undercut	Mines using	Motors used	Tons hauled	Mines using	Tons hauled
1907	411	46,436,839			101	1,105	14,490,454	24.6	31.2	75	129	16,542,575	18.3	35.6		
1908	407	47,809,730			105	1,106	15,210,443	25.7	31.8	88	185	19,024,665	21.6	39.8		
1909	384	47,958,562			107	1,246	16,407,692	27.9	34.2	96	210	21,892,462	25.0	45.6		
1910	390	47,225,021			114	1,289	18,176,254	29.2	38.5	106	229	23,204,480	27.2	48.1		
1911	387	48,758,657	1	45,153	3	1	126	14,380	19,998,259	32.6	41.0	165	381	37,958,050	35.0	60.0
1912	380	56,096,695	4	53,762	13	1	129	15,881	25,550,059	34.4	45.5	181	540	47,485,729	50.4	76.5
1913	371	60,515,416	1	17,790	11	2	140	1,689	30,228,520	38.1	50.0	191	540	47,885,729	56.8	80.2
1914	340	59,279,182	4	181,520	12	3	141	1,828	31,446,823	41.2	53.1	195	648	47,239,554	62.8	84.4
1915	280	56,172,566	2	195,486	7	3	131	1,686	34,057,426	47.1	60.8	172	604	53,140,005	62.6	85.8
1916	284	62,283,236	3	344,372	1.1	6	139	1,817	39,312,376	49.9	63.5	176	648	67,196,786	62.7	87.3
1917	324	77,412,054	5	419,475	1.5	6	151	1,920	47,232,880	47.3	61.3	200	774	77,662,619	65.6	88.4
1918	370	88,306,228	4	498,347	1.1	6	174	2,054	50,927,291	47.5	57.0	240	960	66,686,930	70.0	90.9
1919	373	73,751,721	3	393,894	8	5	199	2,124	42,933,172	53.8	58.6	259	1,144	66,441,191	74.6	92.2
1920	373	72,409,610	3	367,009	8	5	208	2,330	45,130,629	56.2	62.6	276	1,228	71,329,567	72.5	91.6
1921	389	78,339,082	3	437,007	8	6	235	2,760	50,243,470	60.9	64.5	280	1,406	55,028,080	70.0	90.4
1922	352	61,406,093	5	533,923	14	9	205	2,762	41,168,621	59.1	69.3	235	1,354	67,836,441	78.2	95.3
1923	374	73,410,837	6	895,608	16	12	241	3,049	51,057,868	65.5	70.4	258	1,565	65,900,698	82.7	95.3
1924	329	70,324,363	11	1,184,288	33	17	215	3,033	50,064,304	67.7	72.5	259	1,565	65,900,698	82.7	95.3
1925	255	10,001,299	18	4,722,597	7.1	4.7	165	2,540	74,826,359	69.6	78.5	195	1,360	92,185,121	82.3	96.7
1926	244	67,836,441	16	3,482,611	6.6	5.1	149	2,259	50,736,684	65.4	78.8	182	1,288	61,486,775	88.0	95.5
1927	241	44,926,433	15	2,756,410	6.2	6.1	151	2,397	32,681,281	66.8	77.5	180	1,250	40,144,446	80.0	95.3
1928	206	54,284,184	14	4,113,008	6.8	7.6	139	2,158	41,099,267	72.4	82.7	158	1,182	49,007,549	82.3	97.7
1929	200	59,075,995	17	5,250,501	8.5	8.9	139	1,989	45,907,547	76.0	85.3	156	1,281	52,426,315	85.2	97.4
1930	185	51,996,608	15	5,220,336	8.1	12.0	129	1,606	40,015,407	75.9	87.2	133	1,201	41,181,378	78.2	87.2
1931	167	43,073,058	16	6,548,798	9.6	15.2	111	1,385	32,587,944	73.5	89.2	123	1,205	35,459,159	81.4	97.1
1932	162	31,402,399	17	6,628,228	10.5	21.1	102	1,144	22,165,199	70.3	89.5	114	1,044	24,357,088	85.5	98.3
1933	159	35,390,677	20	5,599,006	12.6	15.8	94	1,014	26,972,132	67.6	90.5	117	1,044	24,357,088	85.5	98.3
1934	157	38,442,859	26	6,612,719	16.1	15.5	101	1,142	29,935,102	58.7	90.0	124	1,156	32,378,082	72.1	83.8
1935	182	41,410,414	28	7,481,349	15.4	18.1	103	1,011	30,857,109	60.9	90.0	123	1,240	37,950,347	84.4	98.8
1936	176	47,285,587	30	8,873,229	17.0	18.8	108	1,062	35,827,656	74.0	93.3	123	1,240	37,950,347	84.4	98.8
1937	168	48,062,076	30	11,176,074	17.8	23.3	103	927	34,031,392	61.3	92.3	116	1,288	36,341,172	84.1	98.5
1938	149	38,442,859	25	10,058,999	16.8	26.2	93	958	26,939,302	66.4	94.9	106	1,251	27,988,198	85.5	72.0
1939	146	42,994,107	26	11,295,547	17.8	26.3	92	740	30,312,078	63.0	95.6	106	1,230	31,318,349	88.3	74.0
1940	139	46,971,806	27	12,024,635	19.5	26.2	124	903	34,734,192	90.0	74.0	124	1,112	36,972,431	89.1	82.0
1941	143	51,033,319	30	13,367,089	20.4	26.1	83	623	35,944,467	56.4	70.5	95	954	38,012,446	74.2	74.5
1942	141	61,124,628	28	15,937,681	19.8	24.3	81	632	42,571,922	64.5	69.8	107	1,240	43,064,306	76.0	70.0
1943	140	68,971,621	26	15,484,712	18.0	22.0	100	658	51,090,624	70.0	76.3	106	1,132	50,060,045	67.5	74.4
1944	157	73,958,923	31	17,108,528	20.2	23.1	102	684	54,412,942	64.5	73.3	106	1,132	50,060,045	67.5	74.4
1945	159	70,322,301	37	16,203,765	23.2	23.4	102	638	52,234,080	64.1	74.5	109	1,337	46,215,166	68.7	75.8
1946	160	60,932,785	36	14,302,739	22.5	23.4	106	798	46,660,727	66.3	74.5	109	1,337	46,215,166	68.7	75.8
1947	160	64,612,627	38	17,821,333	22.0	27.4	103	637	46,770,716	64.4	72.4	98	1,271	42,983,109	61.3	66.5
1948	160	62,494,412	45	16,758,306	28.1	26.8	100	577	44,784,161	62.5	71.6	89	1,118	42,270,669	55.6	67.6
1949	157	44,772,617	45	12,835,980	28.7	28.6	103	570	31,579,018	65.6	70.5	94	1,107	41,410,414	59.9	70.2
1950	149	54,556,918	39	16,469,126	26.2	30.3	98	543	36,337,125	65.8	66.9	99	1,153	38,468,443	66.4	70.7
1951	136	52,955,098	37	17,289,932	24.3	32.9	94	496	35,078,767	69.1	66.7	95	1,073	32,885,513	69.9	62.5
1952	111	43,274,400	27	15,340,989	24.3	35.5	77	391	27,824,311	69.4	64.2	77	883	26,271,031	69.4	60.7
1953	97	43,847,321	29	15,395,734	29.9	35.3	63	299	28,312,383	64.9	64.6	59	651	23,803,952	60.8	54.3
1954	87	40,017,802	28	15,988,078	32.2	38.5	54	240	24,606,444	62.1	61.5	55	609	19,362,624	56.1	48.9
1955	85	43,880,729	35	17,535,630	41.2	40.4	47	178	26,320,724	55.3	60.0	46	434	22,134,856	54.1	50.4
1956	88	45,538,998	42	18,041,603	47.7	39.6	44	160	27,474,383	50.0	60.3	41	406	20,083,913	46.6	48.5
1957	92	44,532,214	50	18,439,200	54.3	41.4	40	140	26,069,830	43.4	58.5	37	381	20,732,578	40.2	46.5
1958	85	41,856,967	49	19,377,272	57.6	46.2	34	123	22,524,173	40.0	53.8	26	252	17,296,825	30.1	41.3
1959	83	43,515,737	46	20,532,528	55.4	47.2	34	113	22,974,451	41.0	52.8	31	269	18,407,376	37.3	41.5
1960	78	43,703,382	40	20,946,982	51.3	47.9	36	100	22,744,109	46.2	52.0	30	249	14,105,870	38.5	32.3
1961	67	42,825,911	36	20,999,859	53.7	49.0	26	83	21,823,768	38.8	51.0	21	145	9,401,846	31.3	22.0
1962	64	45,262,974	37	22,482,457	57.8	49.7	22	61	22,780,517	34.4	50.3	20	110	10,782,732	31.2	23.8
1963	67	48,375,564	42	25,194,264	62.6	52.1	22	62	23,180,300	32.8	52.1	19	87	12,005,935	28.3	24.8
1964	68	51,888,467	40	27,863,966	58.8	53.7	23	68	24,024,501	33.8	46.3	19	87	11,393,993	27.9	25.0
1965	63	55,452,130	39	30,714,714	61.9	55.1	18	56	24,737,416	28.6	44.6	17	73	13,035,683	27.0	25.0
1966	56	59,261,953	35	33,726,863	62.5	56.9	16	50	25,535,090	26.8	43.1	14	73	13,354,433	25.0	22.5
1967	52	60,488,521	32	34,794,127	61.5	57.5	15	49	25,694,344	28.8	42.5	14	73	14,077,962	26.9	23.3

## IV MECHANIZATION—TABLE 26—(Concluded)

Year	Mines operated	Total tons mined	Mined in strip mines				Machine mining				Motor hauling					
			Number of —		Per cent of —		Number of —		Per cent of —		Number of —		Per cent of —			
			Mines	Tons mined	Mines	Tons mined	Mines using	Machines used	Tons undercut	Mines	Tons undercut	Mines using	Motors used	Tons hauled	Mines using	Tons hauled
1968	48	57,670,671	25	34,142,920	52.1	59.2	14	44	23,527,751	29.2	40.8	11	64	7,237,522	22.9	12.5
1969	62	64,832,584	34	34,659,957	54.8	53.5	18	51	30,172,627	29.0	46.5	15	73	8,252,837	24.1	12.7
1970	64	64,884,103	35	33,268,533	54.7	51.3	18	53	31,615,570	28.1	48.7	11	49	6,489,554	17.2	10.0
1971	63	58,415,239	36	28,961,313	57.1	49.6	15	44	29,453,926	28.6	50.4	13	89	7,091,251	20.6	12.1
1972	59	65,521,394	33	33,805,599	55.9	51.6	14	44	31,715,795	23.7	48.4	12	79	8,014,927	20.3	12.2
1973	56	61,548,670	32	28,971,317	57.1	47.1	11	35	32,577,353	25.0	52.9	12	97	10,629,476	21.4	17.2
1974	55	58,072,640	32	26,968,528	58.2	46.4	10	36	31,104,112	18.2	53.6	11	104	9,700,532	20.0	16.7
1975	57	59,039,019	36	27,658,936	63.2	46.5	10	47	31,880,083	18.0	54.0	...	...	...	...	...
1976	62	58,136,144	39	27,224,448	62.3	46.8	12	44	30,911,696	19.3	53.2	...	...	...	...	...
1977	70	53,880,434	45	24,291,457	64.2	45.0	16	55	29,588,971	22.9	54.9	...	...	...	...	...

\*Statistics from 1969 to present are not comparable with those of prior years as they include local mines which were not reported previously in this table.

IV MECHANIZATION—TABLE 27—  
METHOD OF LOADING IN ALL MINES—1977

Name of operator	Mobile Loading Machines			
	Total tons produced	Number in use	Machine shifts used	Tons loaded
Amax Coal Company, Wabash	1,717,690	17*	4,325	1,717,690
Consolidation Coal Co., Hillsboro	1,854,058	12*1	5,009	1,854,058
Freeman United Coal Mng., Orient #3	1,436,311	13*	5,332	1,436,311
Freeman United Coal Mng., Orient #4	842,707	10*	21,720	842,707
Freeman United Coal Mng., Orient #6	1,303,767	20*	4,184	1,303,767
Freeman United Coal Mng., Crown II	1,098,151	12	2,688	1,098,151
Harrisburg Coal Co.	84,623	1	410	84,623
Inland Steel Coal Company	1,593,790	8*	24	1,593,790
Monterey Coal Company	2,524,815	11	3,823	2,524,815
Monterey Coal Company #2	99,504	3	488	99,504
Old Ben Coal Company #21	1,465,579	13*	4,785	1,465,579
Old Ben Coal Company #24	1,746,072	14*	4,987	1,746,072
Old Ben Coal Company #25	379,247	6*	1,698	379,247
Old Ben Coal Company #26	1,159,874	14*	4,065	1,159,874
Peabody Coal Company #10	2,807,593	7*3	2,230	2,807,593
Peabody Coal Company, Eagle #2	1,075,785	8*	3,792	1,075,785
Peabody Coal Company, Baldwin	1,681,638	7*	1,771	1,681,638
Peabody Coal Company, River King Underground	1,775,574	12*	2,868	1,775,574
Sahara Coal Company #20	501,543	6*3	1,902	501,543
Sahara Coal Company #21	466,816	4*4	2,003	466,816
Zeigler Coal Company, Murdock	1,332,177	4	1,872	1,332,177
Zeigler Coal Company, #5	1,345,217	7	3,750	1,345,217
Zeigler Coal Company, Spartan	610,318	4*	760	610,318
Zeigler Coal Company, #11	281,231	3	762	281,231
Zeigler Coal Company, #4	404,897	3	2,043	404,897
Total	29,588,977	175*55	.....	29,588,977

\*Continuous Mining Machines

IV MECHANIZATION—TABLE 28—MECHANICAL LOADING  
IN SHIPPING MINES FOR FORTY-TWO YEARS—  
1931-1968,\* ALL MINES—1969-1977

Year	Total			Part of output			Entire output			Per cent of	
	Mines	Ma- chines	Tons loaded	Mines	Ma- chines	Tons loaded	Mines	Ma chines	Tons loaded	Mines	Tons loaded
1931	36	1,504	15,138,330	38	916	7,307,452	74	2,420	22,445,782	49.3	52.1
1932	41	1,702	10,899,555	27	578	4,513,101	68	2,280	15,412,656	42.0	49.1
1933	32	1,313	13,344,573	19	439	4,421,643	51	1,752	17,766,216	32.1	50.2
1934	32	1,364	15,107,934	16	257	3,492,240	48	1,621	18,600,174	27.9	48.1
1935	33	1,322	16,649,144	21	304	4,002,563	54	1,626	20,651,707	29.7	49.9
1936	37	1,210	18,540,558	27	363	6,664,612	64	1,573	25,205,170	36.4	53.3
1937	42	1,127	21,192,003	27	329	7,182,359	69	1,456	28,374,362	41.1	59.0
1938	45	935	1,360,718	20	222	4,089,756	65	1,157	23,450,474	43.6	61.0
1939	47	611	20,023,681	19	245	6,631,893	66	856	26,655,664	45.2	62.0
1940	50	631	26,413,496	14	130	4,437,590	64	761	30,851,086	46.0	71.0
1941	58	561	29,306,412	18	127	4,359,361	76	688	33,667,773	51.7	65.9
1942	66	631	37,350,137	12	112	4,554,664	78	743	41,904,801	55.3	68.5
1943	56	598	45,422,135	15	96	3,174,933	71	694	48,597,068	48.2	69.0
1944	60	577	45,529,829	14	102	5,790,101	74	679	50,719,930	45.2	65.5
1945	59	562	43,152,237	15	102	6,116,885	74	664	49,269,122	46.7	70.6
1946	64	566	38,527,365	11	86	4,089,527	75	652	42,616,892	46.8	70.0
1947	65	584	42,946,063	9	48	1,377,780	78	632	44,323,843	47.4	67.0
1948	70	559	42,469,316	3	28	729,222	73	587	43,198,538	45.6	68.0
1949	63	542	29,263,382	3	15	1,217,785	66	557	30,481,167	42.0	68.2
1950	70	531	37,855,197	3	6	32,595	73	537	37,887,792	49.0	69.7
1951	68	489	33,531,058	3	6	611,126	71	495	34,142,184	52.2	64.9
1952	69	365	26,549,584	8	13	611,541	67	378	27,161,125	60.4	62.7
1953	50	305	27,451,029	4	12	560,052	54	317	28,011,081	55.6	63.8
1954	48	263	24,416,023	1	1	7,216	49	264	24,423,248	56.3	61.0
1955	42	219	26,158,407	1	1	11,494	43	220	26,345,099	50.5	60.0
1956	39	193	27,347,358	...	...	...	39	193	27,347,358	44.3	60.1
1957	42	188	25,981,685	...	...	...	42	188	25,981,685	45.6	58.3
1958	36	171	22,454,676	...	...	...	36	171	22,454,676	42.4	53.7
1959	37	162	22,912,080	...	...	...	37	162	22,912,080	44.6	52.7
1960	38	154	22,731,002	...	...	...	38	154	22,731,002	48.7	52.0
1961	29	148	21,813,301	...	...	...	29	148	21,813,301	43.3	50.9
1962	27	102	22,780,517	...	...	...	27	102	22,780,517	42.2	48.2
1963	25	112	23,181,300	...	...	...	25	112	23,181,300	37.3	47.9
1964	28	124	24,024,501	...	...	...	28	124	24,024,501	41.2	46.3
1965	24	123	24,737,416	...	...	...	24	123	24,737,416	38.1	44.6
1966	21	123	25,535,590	...	...	...	21	123	25,535,590	37.5	43.1
1967	20	118	25,694,344	...	...	...	20	118	25,694,344	38.5	42.5
1968	23	127	23,527,751	...	...	...	23	127	23,527,751	47.9	40.8
1969	27	151	30,169,400	...	...	...	27	151	30,169,400	43.5	46.5
1970	28	159	31,612,749	...	...	...	28	159	31,612,749	43.8	48.7
1971	27	159	29,453,926	...	...	...	27	159	29,453,926	42.9	50.4
1972	26	159	31,715,795	...	...	...	26	159	31,715,795	44.1	48.4
1973	24	164	32,577,353	...	...	...	24	164	32,577,353	42.9	52.9
1974	23	168	31,104,112	...	...	...	23	168	31,104,112	41.8	53.6
1975	21	185	31,880,083	...	...	...	21	185	31,880,083	36.8	53.5
1976	23	178	30,911,696	...	...	...	23	178	30,911,696	37.1	53.1
1977	25	230	29,588,977	...	...	...	25	230	29,588,977	35.7	54.9

\*Statistics from 1969 to present are not comparable with those of prior years as they include local mines which were not reported previously in this table.

IV MECHANIZATION—TABLE 29—METHOD OF LOADING  
IN SHIPPING MINES FOR FORTY-TWO YEARS—  
1931-1968,\* ALL MINES—1969-1977

Year	Loading machines			By hand		Strip mines		Per cent of output loaded		
	Mines	Ma- chines	Tons loaded	Mines	Tons loaded	Mines	Tons loaded	By ma- chines	By hand	Strip mines
1931	74	2,420	22,445,782	114	14,078,400	16	6,548,798	52.1	32.7	15.2
1932	68	2,280	15,412,656	104	9,361,515	17	6,628,228	49.1	29.8	21.1
1933	51	1,752	17,766,216	88	12,025,455	20	5,599,006	50.2	34.0	15.8
1934	48	1,621	18,600,174	98	14,047,135	26	6,008,218	48.1	36.3	15.6
1935	54	1,626	20,651,707	100	12,277,358	28	7,481,349	49.9	32.1	18.0
1936	64	1,573	25,205,170	82	13,207,189	30	8,873,229	53.3	28.0	18.7
1937	69	1,456	28,374,362	69	8,511,640	30	11,176,074	59.0	17.7	23.3
1938	65	1,157	23,450,474	59	4,933,386	25	10,058,999	61.0	12.8	26.2
1939	66	856	26,655,664	54	5,042,896	27	11,295,547	62.0	11.7	26.3
1940	64	761	30,851,086	59	3,156,967	27	12,024,635	66.0	6.8	27.2
1941	76	688	33,667,773	59	3,998,459	30	13,367,089	65.9	7.8	26.1
1942	78	743	41,904,801	32	3,308,666	28	15,937,681	68.5	5.0	24.2
1943	71	694	48,597,068	47	4,889,841	26	15,484,712	71.4	7.0	21.6
1944	74	679	50,719,930	52	6,130,465	31	17,108,528	68.5	8.3	23.1
1945	64	664	49,269,122	62	4,849,416	37	16,203,763	70.6	6.8	22.0
1946	75	652	42,616,892	47	3,831,940	36	14,302,739	70.2	6.3	23.5
1947	76	600	44,323,843	49	3,191,727	38	14,821,339	67.8	4.8	27.4
1948	73	587	43,198,538	44	2,350,818	45	16,758,306	69.0	4.0	27.0
1949	66	557	30,481,167	46	1,455,470	45	12,835,980	68.0	3.0	29.0
1950	73	537	37,887,792	40	1,575,188	39	16,469,126	69.7	2.9	30.3
1951	71	495	34,142,184	32	1,162,982	33	17,289,932	64.9	2.2	32.9
1952	67	378	27,161,125	17	772,286	27	15,340,989	62.7	1.8	35.5
1953	54	317	28,011,081	14	340,506	29	15,495,734	63.9	0.8	35.3
1954	49	264	24,423,248	11	206,476	28	15,388,078	61.0	0.5	38.5
1955	43	220	26,345,099	8	186,692	35	17,535,630	60.0	0.4	40.0
1956	39	193	27,347,356	7	150,039	42	18,041,603	60.1	0.3	39.6
1957	42	188	25,981,685	4	111,329	50	18,439,200	58.3	0.3	41.4
1958	36	171	22,454,676	4	83,519	49	19,318,772	53.7	0.2	46.1
1959	37	162	22,912,080	3	71,129	46	20,532,528	52.7	40.2	47.2
1960	38	154	22,731,002	2	25,398	40	20,946,982	52.0	0.1	47.9
1961	29	148	21,813,301	2	12,751	36	20,999,859	50.9	0.1	49.0
1962	27	102	22,780,517	...	...	37	22,482,457	50.3	...	49.7
1963	25	112	23,181,300	...	...	42	25,194,264	47.9	...	52.1
1964	28	124	24,024,501	...	...	40	27,863,966	46.3	...	53.7
1965	24	123	24,737,416	...	...	39	30,714,714	44.6	...	55.3
1966	21	123	25,535,590	...	...	35	33,726,863	43.1	...	56.9
1967	20	118	25,694,344	...	...	32	34,794,177	42.5	...	57.5
1968	23	127	23,527,751	...	...	25	34,142,920	40.8	...	59.2
1969	27	151	30,169,400	1	3,227	34	34,659,957	46.5	...	53.4
1970	28	159	31,612,749	1	2,821	35	33,268,533	48.7	.004	51.3
1971	27	159	29,453,926	...	...	36	28,961,313	50.4	...	49.6
1972	26	159	31,715,795	...	...	33	33,805,599	48.4	...	51.6
1973	24	164	32,577,353	...	...	32	28,897,317	52.9	...	47.1
1974	23	168	31,104,112	...	...	32	26,968,528	53.6	...	46.4
1975	21	185	31,880,083	...	...	36	27,658,936	53.5	...	46.5
1976	23	184	30,911,696	...	...	39	27,224,448	53.2	...	46.8
1977	25	230	29,588,977	...	...	45	24,291,457	54.9	...	45.1

\*Statistics from 1969 to present are not comparable with those of prior years as they include local mines which were not reported previously in this table.

## ANALYTICAL LABORATORY

As a result of an investigation of the Centralia mine disaster which claimed the lives of 111 miners in the spring of 1947, a decision was made in January of 1948 to establish an Analytical Laboratory within the Department of Mines and Minerals. The purpose of the laboratory was for the safety and health of the several thousand miners, union officials and state and federal officials. By establishing the Analytical Laboratory in January of 1948, Illinois became the first state to operate a laboratory of this type in connection with its mining department. Miners of Illinois have come to depend on this laboratory and it has no doubt played a significant role in the State's safety record.

In 1948 the laboratory was temporarily located on the University of Illinois campus in Champaign. In June of 1952 the laboratory was moved to Springfield where it remained until destroyed by fire in December of 1953. In 1954 the laboratory was established at West Frankfort. Early in 1970 a new building, the Mine Rescue Station and Analytical Laboratory, was completed at 503 East Main Street in Benton. The building, a modern one-story building, covering 13,372 square feet, houses the latest in mine rescue and laboratory equipment. This is the first permanent building for the laboratory since it was established in 1948. The Benton area is the center of the largest coal producing field in the State of Illinois.

The Analytical Laboratory of the Department of Mines and Minerals consists of two divisions: Safety and Coal Analysis.

### Safety Division

Mine disasters, which can claim many lives, are usually caused by mine fires and explosions. The purpose of this division is to prevent this from happening. Mine rock dust samples are analyzed for the percentages of combustible and incombustible materials to determine flame propagation characteristics. These samples are collected from specific points in each mine each month. In 1977 there were 2727 rock dust samples analyzed for three components, carbon dioxide, moisture and ash, representing 8181 individual components.

The second procedure used to prevent fires and explosions is the monitoring of mine air. Methane and other higher molecular weight saturated and unsaturated hydrocarbons are explosives if allowed to accumulate due to an improper ventilation plan and or the improper execution of that plan. Air samples are collected

each month from all coal, spar, and metal mines and all quarries in the state. Any high methane concentrations are reported to State Mine Inspectors immediately to insure corrective action.

These same air samples are also analyzed for any noxious and or poisonous gases such as carbon monoxide. Oxygen, methane and carbon monoxide are also analyzed to ascertain whether or not their concentrations are in compliance with State mining laws in regard to helath and safety conditions.

The laboratory now uses a gas chromatographic method for gas analysis which is more accurate, economical and faster than the older volumetric method. Samples are analyzed for oxygen, nitrogen, methane, carbon dioxide and carbon monoxide with a dual column gas chromatograph. The chromatographic system employs a metallic nickel catalytic converter for the conversion of carbon dioxide and carbon monoxide to methane making detection possible by flame ionization. This conversion is similar to the exhaust system in most of the newer cars and results in sensitivity of .1 ppm for carbon monoxide. Oxygen and nitrogen are detected by a thermal conductivity detector. The entire chromatographic system feeds a strip-chart recorder, and an electronic integrator which is used for greater speed and accuracy.

In 1977 the laboratory analyzed 4,477 air samples, each consisting of five gases for a total of 22,384 components.

The laboratory used for the first time during 1976 a portable gas chromatograph. The laboratory maintains all necessary equipment which may be taken to a mine in the event a fire occurs. Portable equipment and personnel spent four days at the Peabody River King Underground Mine at Freeburg in November and December analyzing samples every four hours. The results obtained assisted company, and state and federal officials in determining what steps needed to be taken to control and extinguish the fire and also determined when the permanent seals could be built. A total of 136 air samples were analyzed. The results were known within ten minutes after receiving the samples.

During 1977, the portable laboratory was set up in Belleville, Illinois to permit rapid analysis of gases from abandoned mines in cooperation with the United States Bureau of Mines and the Subsidence-Control Project in the Belleville-Maryville, Illinois area.



### Coal Analysis

The second division of the Analytical Laboratory is the coal analysis program, which was designed to insure the quality of coal purchased for state institutions by the State of Illinois. The program was planned by the State Purchasing Department and the Director of the Department of Mines and Minerals.

The program calls for several samples of coal every month to be shipped from the State's mental, charitable, penal and educational institutions to the laboratory for analysis. The coal is pulverized, a composite formed and then analyzed for heat content, moisture, ash and sulfur. If the coal does not meet state specifications, a penalty can be imposed. As a result of this program, the General Services Purchasing Division is able to procure better grades of coal for less money. In the first year of the program an estimated 20% efficiency was realized in heating the various state institutions. During 1977, 287 samples were pulverized, made into composites, and analyzed in duplicate for a total of 2,870 analysis.



**DEPARTMENT OF MINES AND MINERALS**  
**ANALYTICAL LABORATORY**

Employees

<i>Title</i>	<i>Name</i>
<i>Mine Laboratory Supervisor:</i>	Michael K. Elliott Route 3 Benton, Illinois 62812
<i>Chemist I:</i>	Gary Janello 211 Harrison Christopher, Illinois 62822
<i>Secretary I:</i>	Mary L. Bauer Route 2 Benton, Illinois 62812
<i>Clerk Typist II</i>	Mary Payne Route 4 Benton, Illinois 62812
<i>Laboratory Technician II:</i>	Bernice Mitchell Route 2 West Frankfort, Illinois 62896
<i>Laboratory Technician II:</i>	Barbara Spencer Route 1 Whittington, Illinois 62897
<i>Laboratory Technician I:</i>	Ronnie Maddox 409 South Odle West Frankfort, Illinois 62896

**REPORT OF MINERS' EXAMINING BOARD**  
**DATE AND PLACE OF MEETING, NUMBER OF CERTIFICATES**  
**ISSUED AND AMOUNT OF FEES COLLECTED**

Date	Place of Meeting	Number certificates issued	Fees collected for duplicate copies of certificates
January	3 Springfield	0	
	4 Benton	3	
	5 Eldorado	8	
	6 Taylorville	5	
	7 Sesser	9	
	8 Mt. Carmel	10	
	10 Gillespie	1	
	11 Marion	6	
	12 Coulterville	14	
	13 Tuscola	27	
	14 DuQuoin	2	
	15 Zeigler	5	
February	1 Benton	2	
	2 Tuscola	14	
	3 Harrisburg	3	
	4 Sesser	4	
	5 Mt. Carmel	12	
	7 Springfield	0	
	8 Eldorado	7	
	9 Taylorville	3	
	10 Coulterville	24	
	11 DuQuoin	2	
	12 Zeigler	5	
	14 Gillespie	14	
March	1 Tuscola	4	
	2 Benton	15	
	3 Harrisburg	7	
	4 Sesser	1	
	5 Mt. Carmel	1	
	7 Springfield	3	
	8 Eldorado	8	
	9 Taylorville	3	
	10 Coulterville	14	
	11 DuQuoin	2	
	12 Zeigler	7	
	14 Gillespie	4	
April	1 Benton	9	
	2 Mt. Carmel	3	
	4 Springfield	1	
	5 Harrisburg	12	\$2.00
	6 Taylorville	2	
	7 Coulterville	13	
	8 Sesser	11	
	9 Zeigler	3	
	11 Gillespie	13	
	12 DuQuoin	4	
	13 Eldorado	10	
	14 Tuscola	8	
May	2 Springfield	0	
	3 Eldorado	2	
	4 Taylorville	1	
	5 Sesser	6	
	6 Benton	11	
	7 Mt. Carmel	11	
	9 Coulterville	24	
	10 Gillespie	7	
	11 DuQuoin	2	
	12 Harrisburg	6	
	13 Tuscola	5	
	14 Zeigler	7	
June	1 Benton	3	
	2 Tuscola	1	
	3 Eldorado	4	
	4 Mt. Carmel	4	
	6 Springfield	3	
	7 Harrisburg	4	
	8 Taylorville	4	
	9 Coulterville	11	
	10 Sesser	6	
	11 Zeigler	10	
	13 Gillespie	6	
	14 DuQuoin	4	

REPORT OF MINERS' EXAMINING BOARD  
DATE AND PLACE OF MEETING, NUMBER OF CERTIFICATES  
ISSUED AND AMOUNT OF FEES COLLECTED

Date	Place of Meeting	Number certificates issued	Fees collected for duplicate copies of certificates
July	1 Springfield	5	
	2 Virden	5	
	5 Tuscola	3	
	6 Coulterville	13	
	7 Mt. Carmel	10	
	8 Harrisburg	2	
	9 Carrier Mills	3	
	11 Eldorado	4	
	12 Marion	6	
	13 Benton	5	
	14 West Frankfort	3	
	15 DuQuoin	7	
August	1 DuQuoin	7	
	2 Coulterville	8	
	3 Benton	23	
	4 Johnston City	21	
	5 Springfield	27	
	6 Taylorville	18	
	7 Carrier Mills	4	
	8 Tuscola	3	
	9 Eldorado	2	
	10 Herrin	12	
	11 Mt. Carmel	6	
	12 Harrisburg	2	
September	1 DuQuoin	6	
	2 Coulterville	12	
	3 Zeigler	7	
	6 Tuscola	5	
	7 Sesser	14	
	8 Eldorado	3	
	9 Carlinville	27	
	10 Springfield	4	
	11 Taylorville	4	
	12 Harrisburg	4	
	13 Marion	11	
	14 Benton	22	
October	1 Tuscola	14	
	3 Coulterville	6	
	4 DuQuoin	7	
	5 Benton	6	
	6 Herrin	9	
	7 Virden	17	
	7 Springfield	5	
	8 Taylorville	12	
	10 Mt. Carmel	29	
	11 Harrisburg	4	
November	12 Eldorado	3	
	13 Marion	12	
	14 Benton	18	
	15 Marion	18	
	16 Coulterville	31	
	17 DuQuoin	8	
	18 Springfield	22	
	19 Carlinville	22	
	20 Eldorado	2	
	21 Tuscola	7	
	22 Harrisburg	6	
	23 Benton	15	
	24 Herrin	9	
	25 Zeigler	6	
December	1 Mt. Carmel	6	
	2 Coulterville	13	
	3 DuQuoin	8	
	4 Carrier Mills	2	
	5 Peoria	0	
	6 Springfield	2	
	7 Virden	12	
	8 Taylorville	0	
	9 Sesser	5	
	10 Mt. Carmel	14	
	11 Benton	17	
	12 Eldorado	2	\$2 00
	13 Harrisburg	0	
	14		
		1,149	\$4 00

CERTIFICATES ISSUED BY MINERS' EXAMINING BOARD — FIRST CLASS — 1977

Name of applicant	Post Office address	Age	Date of birth	Birthplace	Years Exp.	Place of examination	Date of examination	Cert. No.
Stephen W. Menese	Marion	24	March 19, 1952	Carbondale	1	Benton	January 4, 1977	14,510
Billy D. Foster	Carbondale	30	November 10, 1946	Herrin	1	Benton	January 4, 1977	14,511
Jack L. Risher	Benton	36	January 2, 1941	Benton	1	Benton	January 4, 1977	14,512
Bernard Gotkin	Eldorado	41	November 26, 1935	Chicago	1	Eldorado	January 5, 1977	14,513
Eddie Stensultz	Harrisburg	34	September 17, 1942	Hammond, Indiana	1	Eldorado	January 5, 1977	14,514
Fredrick R. Carner	Harrisburg	38	June 22, 1938	Harrisburg	1	Eldorado	January 5, 1977	14,515
Randy L. Brothers	Harrisburg	21	March 2, 1955	Harrisburg	1	Eldorado	January 5, 1977	14,516
Stephen E. Fitzsimmons	Eldorado	22	February 9, 1954	Eldorado	1	Eldorado	January 5, 1977	14,517
C. Russell Gilliam	Harrisburg	36	December 30, 1942	Vienna	1	Eldorado	January 5, 1977	14,518
David L. Rollins	Carrier Mills	36	September 16, 1950	Harrisburg	1	Eldorado	January 5, 1977	14,519
Lewis P. Perry	Harrisburg	20	April 14, 1956	Springfield	1	Eldorado	January 5, 1977	14,520
James P. Klinger	Edinburg	21	April 25, 1956	Taylorville	2	Eldorado	January 5, 1977	14,521
Mark D. Daugherty	Kincaid	21	October 7, 1955	Springfield	2	Taylorville	January 6, 1977	14,522
Dennis E. Muncy	Kincaid	31	February 20, 1945	Springfield	10	Taylorville	January 6, 1977	14,523
Alex Tolar	Springfield	41	July 14, 1935	Inez, Ky.	1	Taylorville	January 6, 1977	14,524
Delbert E. Donnam	Hurst	26	March 17, 1950	Lexington, Miss.	1	Taylorville	January 6, 1977	14,525
Guy R. Germaine	Freeburg	19	May 25, 1957	Mendota	1	Sesser	January 7, 1977	14,526
Richard D. Minks, Jr.	Mascoutah	20	September 7, 1956	Belleville	1	Sesser	January 7, 1977	14,527
David B. Strunk	Herrin	27	January 12, 1949	Decatur	1	Sesser	January 7, 1977	14,528
Harry W. Greenfield, Jr.	Christopher	25	March 1, 1951	Herrin	1	Sesser	January 7, 1977	14,529
John L. Jerald	Carrollville	35	March 5, 1941	St. Louis, Mo.	1	Sesser	January 7, 1977	14,530
David L. Odle	Watonsville	29	November 5, 1947	Waltonville	1	Sesser	January 7, 1977	14,531
Bill D. Kilman	Marion	30	March 8, 1946	Marion	2	Sesser	January 7, 1977	14,532
Dennis M. Moore	Benton	24	June 24, 1952	Christopher	1	Sesser	January 7, 1977	14,533
Dennis M. Kelley	Prairie, Ind	26	May 2, 1950	Princeton, Ind.	1	Sesser	January 8, 1977	14,534
Clarence E. Kimble	Alendale	36	March 6, 1946	Princeton, Ind.	1	Sesser	January 8, 1977	14,535
Joe W. Lindauer	Ft. Branch, Ind	30	August 3, 1946	Williamson, Va	1	Sesser	January 8, 1977	14,536
James E. Ewing	Mt. Carmel	27	December 27, 1949	Warsville, Ind.	1	Sesser	January 8, 1977	14,537
Dwain D. Donelson	Princeton, Ind	29	March 22, 1947	Harlem	1	Sesser	January 8, 1977	14,538
James E. Wargel	Princeton, Ind	35	February 26, 1955	Mt. Carmel	1	Sesser	January 8, 1977	14,539
Anup Raychowdhury	Princeton, Ind	30	December 12, 1941	Ft. Leonardwood, Mo.	1	Sesser	January 8, 1977	14,540
William J. Sisson	Mt. Carmel	19	September 12, 1957	Eldorado	6 mo.	Sesser	January 8, 1977	14,541
Rick A. Boyd	Oakland City, Ind.	20	March 5, 1956	Chicago	2	Sesser	January 8, 1977	14,542
Larry D. Towell	Hillsboro	25	December 4, 1951	Jamshedpur, India	1	Sesser	January 8, 1977	14,543
Arthur Lee Phillips	Herrin	30	April 10, 1946	Evansville, Ind.	1	Sesser	January 8, 1977	14,544
Clyde R. Childers	Carbondale	25	September 3, 1951	Vandalia	1	Sesser	January 8, 1977	14,545
Alan D. Howard	Marion	24	January 16, 1952	Herrin	1	Sesser	January 10, 1977	14,546
David Tanner	Marion	20	January 23, 1956	Detroit, Mich.	3	Sesser	January 11, 1977	14,547
Jim D. Johnson	Marion	40	March 16, 1936	St. Louis, Mo.	1	Sesser	January 11, 1977	14,548
Charles V. Burgess	Marion	24	March 6, 1952	Herrin	1	Sesser	January 11, 1977	14,549
Donald L. Miller	Sparta	27	July 29, 1949	St. Louis, Mo.	1	Sesser	January 11, 1977	14,550
Bernell A. Voytas	Marion	22	April 17, 1954	Red Bud	1	Sesser	January 11, 1977	14,551
Arnell G. Erb	Marion	52	April 12, 1925	Red Bud	1	Sesser	January 12, 1977	14,552
Michael P. Dickey	Marion	19	October 17, 1957	Marion	1	Sesser	January 12, 1977	14,553

Gene A. Koch	Mascoutah	21	January 21, 1955	Belleville	1	January 12, 1977	14,556
Charles P. Cathcart	Manassas	19	February 28, 1957	Red Bud	1	January 12, 1977	14,557
John A. Miller	Waterloo	20	July 30, 1956	Red Bud	1	January 12, 1977	14,558
Rufus L. Walker	Freeburg	20	August 17, 1956	Belleville	1	January 12, 1977	14,559
Clerence W. Kallert	Freeburg	27	January 1, 1949	Belleville	1	January 12, 1977	14,560
Arthur L. Williams	Steeleville	21	January 1, 1956	Percy	1	January 12, 1977	14,561
John C. Fenton	Sawyerille	22	August 10, 1954	Granite City	1	January 12, 1977	14,562
Gregory L. Moake	Belleville	22	April 26, 1954	Carbondale	3	January 12, 1977	14,563
Forest E. Thornton	Coulterville	34	September 10, 1942	Coulterville	1	January 12, 1977	14,564
Thomas A. Stricker	Coulterville	37	September 4, 1937	Detroit, Mich.	1	January 12, 1977	14,565
Thomas W. Moulton	Danville	29	January 13, 1950	Danville	1	January 13, 1977	14,566
John S. Davis	Terre Haute, Ind.	27	December 1, 1954	Terre Haute, Ind.	1	January 13, 1977	14,567
Steve Schnake	Carmago	29	December 5, 1947	Quincy	1	January 13, 1977	14,568
Robert A. Pepernek	Canton, Ind.	21	February 2, 1955	Madison, Ind.	1	January 13, 1977	14,569
Robert J. Fragers	Blount, Ind.	48	August 15, 1929	Clinton, Ind.	1	January 13, 1977	14,570
Billy R. Lindsey	Tuscola	48	July 15, 1929	Clinton, Ind.	1	January 13, 1977	14,571
Lloyd F. Coats	Tuscola	38	July 7, 1943	Marion, Ind.	1	January 13, 1977	14,572
Hubert W. Bayer	Bicknell, Ind.	28	January 2, 1949	Vincennes, Ind.	1	January 13, 1977	14,573
Larry D. Walker	Tuscola	26	July 5, 1926	Percy	1	January 13, 1977	14,574
Larry A. Robinson	Sullivan, Ind.	28	November 19, 1950	Sullivan, Ind.	1	January 13, 1977	14,575
Jerry A. Stenger	Atwood	28	April 4, 1948	Bicknell, Ind.	1	January 13, 1977	14,576
John T. Hoey	Tuscola	23	July 1, 1954	Champaign	1	January 13, 1977	14,577
Gaylord R. Gangloff	Tuscola	23	September 14, 1953	Christopher	1	January 13, 1977	14,578
David V. Robinson	Tuscola	23	June 8, 1929	Newton	1	January 13, 1977	14,579
David L. Brown	Chrisman	23	September 19, 1953	Tuscola	1	January 13, 1977	14,580
Carlton A. Johnson	Terre Haute, Ind.	22	August 2, 1944	Brocton	1	January 13, 1977	14,581
Carlton A. Johnson	Tuscola	42	June 4, 1954	Superior, Wis.	1	January 13, 1977	14,582
Lonnie N. Davidson	Brookfield	29	April 1, 1938	LaPorte, Ind.	1	January 13, 1977	14,583
Anthony F. Seppas, Jr.	Westville	29	November 17, 1947	Danville	1	January 13, 1977	14,584
Theodore M. Wegeng	Carmago	30	October 8, 1937	Urbana	1	January 13, 1977	14,585
David A. Goodwin	Atwood	20	November 30, 1956	Taylorville	1	January 13, 1977	14,586
Steven W. Williams	Villa Grove	25	June 6, 1952	Robinson	1	January 13, 1977	14,587
Stephen C. Carter	Villa Grove	24	September 13, 1951	Tuscola	1	January 13, 1977	14,588
Everett L. Clark	Dugger, Ind.	33	December 8, 1955	Tuscola	1	January 13, 1977	14,589
Danny L. Bedwell	Arcola	20	August 30, 1943	Sullivan, Ind.	1	January 13, 1977	14,590
James M. Skinner	Oakland	20	September 2, 1956	Sullivan, Ind.	1	January 13, 1977	14,591
David J. Worthington	DuQuoin	49	October 24, 1956	Tuscola	1	January 13, 1977	14,592
James N. Trout	DuQuoin	49	October 17, 1943	Petersburg	1	January 14, 1977	14,593
Ladonna J. Hopkins	Hurst	26	October 1, 1927	DuQuoin	1	January 14, 1977	14,594
Robert G. McLaughlin	Clinton	26	October 2, 1949	Herrin	1	January 14, 1977	14,595
Frederick J. Karmes	Clinton	26	February 2, 1954	Zeigler	1	January 15, 1977	14,596
Robert G. Malvin	West Frankfort	35	May 9, 1941	Zeigler	2	January 15, 1977	14,597
Theodore Bennett	Logan	37	January 21, 1939	Columbiana	4	January 15, 1977	14,598
Wendell R. Davis	Johnston City	35	May 9, 1941	Columbia, Ky.	1	January 15, 1977	14,599
Ornie J. Tasky	Grayville	24	November 20, 1952	Murphyshoro	1	February 1, 1977	14,600
Donnie J. Hale	Benton	20	February 18, 1936	Benton	1	February 1, 1977	14,601
Steven A. Phillips	Sidall	25	February 5, 1951	Danville	1	February 2, 1977	14,602
Michael B. Nowobilski	Terre Haute, Ind.	24	October 6, 1952	Terre Haute, Ind.	1	February 2, 1977	14,603
Albert L. Carpenter	Champaign	30	June 10, 1953	Chicago	1	February 2, 1977	14,604
Justice J. Hurson	Marshall	23	February 18, 1946	Terre Haute, Ind.	1	February 2, 1977	14,605
Philip J. McGuire	Mason	45	January 26, 1952	Mason	1	February 2, 1977	14,606
Robert F. Kraus	Paris	28	May 11, 1950	Washington, Ind.	1	February 2, 1977	14,607
Donnie F. Kraus	Newman	39	December 1, 1957	Champaign	1	February 2, 1977	14,608
	Boonville, Ind.	39	January 28, 1938	Tell City, Ind.	1	February 2, 1977	14,609

# CERTIFICATES ISSUED BY MINERS' EXAMINING BOARD — FIRST CLASS — 1977

Name of applicant	Post Office address	Age	Date of birth	Birthplace	Years Exp.	Place of examination	Date of examination	Cert. No.
Kenneth E. McConaughy	Clinton, Ind.	33	January 20, 1944	Clinton, Ind.	1	Tuscola	February 2, 1977	14,610
Joseph P. Parentheimer	Newman	29	December 14, 1956	Champaign	1	Tuscola	February 2, 1977	14,611
C. Richard Denton	Chisman	20	September 14, 1956	Champaign	1	Tuscola	February 2, 1977	14,612
R. Robert Dierker	Clinton, Ind.	22	September 30, 1954	T. Erie, Ind.	1	Tuscola	February 2, 1977	14,613
Robert B. Wacker	Tuscola	20	September 23, 1956	T. Erie, Ind.	1	Tuscola	February 2, 1977	14,614
Maurice D. Smith	Rosedale, Ind.	31	July 31, 1945	Morgantown, Ind.	1	Tuscola	February 2, 1977	14,615
Robert J. Newlin	Jackson	23	May 27, 1954	Mattoon	1	Harrisburg	February 3, 1977	14,616
Lonnie D. Beers	Union City	22	January 7, 1954	Chicago	1	Harrisburg	February 3, 1977	14,617
Louie D. Feazel	Carrier Mills	20	July 23, 1956	Harrisburg	1	Harrisburg	February 3, 1977	14,618
Robert M. Weinholfer	Cutler	25	December 13, 1951	Sparta	6 mo.	Sesser	February 4, 1977	14,619
Mitchell L. Roper	Belleville	47	October 6, 1929	Carrier Mills	1	Sesser	February 4, 1977	14,620
Ronald L. Sexton	Mt. Vernon	23	August 6, 1953	Paintsville, Ky.	1	Sesser	February 4, 1977	14,621
William T. Kirkpatrick	Johnston City	41	November 4, 1935	Sesser	1	Sesser	February 4, 1977	14,622
Robert H. Winnecke	Monroe City, Ind.	35	October 1, 1941	Evansville, Ind.	1	Mt. Carmel	February 5, 1977	14,623
Charles M. Hale, Jr.	Dugger, Ind.	34	November 22, 1942	Vincennes, Ind.	1	Mt. Carmel	February 5, 1977	14,624
Steven E. Riley	Mt. Carmel	30	November 23, 1946	Vincennes, Ind.	1	Mt. Carmel	February 5, 1977	14,625
Terry A. Hudson	Bicknell, Ind.	23	August 30, 1953	Vincennes, Ind.	1	Mt. Carmel	February 5, 1977	14,626
William E. Dale	Linton, Ind.	23	March 23, 1953	Linton, Ind.	1	Mt. Carmel	February 5, 1977	14,627
James R. Book	Fairfield	30	April 6, 1946	Mt. Vernon	1	Mt. Carmel	February 5, 1977	14,628
William C. Everley, Jr.	Johnston City	24	May 21, 1955	Herrin	1	Mt. Carmel	February 5, 1977	14,629
Fred S. Snow	Mt. Carmel	21	January 20, 1956	Mt. Carmel	1	Mt. Carmel	February 5, 1977	14,630
Frederick D. Davis	Princeton, Ind.	25	December 16, 1951	Wenderson, Ky.	1	Mt. Carmel	February 5, 1977	14,631
Jeffrey J. Tate	Princeton, Ind.	27	June 18, 1946	St. Marys, Ind.	1	Mt. Carmel	February 5, 1977	14,632
Jeffrey J. Tate	Gracillio	20	June 9, 1956	Pomona, Calif.	1	Mt. Carmel	February 5, 1977	14,633
Gerald C. Collins	Princeton, Ind.	23	May 15, 1953	Princeton, Ind.	7 mo.	Mt. Carmel	February 5, 1977	14,634
Larry R. Williams	Harrisburg	31	October 2, 1945	Harrisburg	1	Eldorado	February 8, 1977	14,635
George R. Popetz	Harrisburg	21	September 22, 1955	Great Lakes	1	Eldorado	February 8, 1977	14,636
Byford U. Butler	Eldorado	21	October 20, 1955	Portsmouth, Ohio	1	Eldorado	February 8, 1977	14,637
Danny G. Gray	Marion	32	April 14, 1944	Marion	1	Eldorado	February 8, 1977	14,638
Frederick J. Wargel	Eldorado	26	April 12, 1950	Eldorado	1	Eldorado	February 8, 1977	14,639
James A. Summers	Eldorado	22	August 27, 1954	Harriman, Tenn.	2	Eldorado	February 8, 1977	14,640
Robert E. Armstrong	Omaha	35	February 11, 1955	Eldorado	1	Eldorado	February 9, 1977	14,641
Michael J. Walker	Taylorville	21	October 1, 1941	Taylorville	1	Taylorville	February 9, 1977	14,642
Gerald C. House	Nokomis	49	April 12, 1927	Havel	4	Taylorville	February 9, 1977	14,643
Richard L. Haubold	Stonington	24	August 20, 1952	Taylorville	1	Taylorville	February 9, 1977	14,644
Dwight S. Hargis	Tilden	26	May 24, 1950	Sparta	1	Coutleville	February 10, 1977	14,645
Dennis L. Garland	Millstadt	33	July 19, 1943	Belleville	1	Coutleville	February 10, 1977	14,646
Tom L. Martin	Freeburg	31	December 13, 1945	Belleville	1	Coutleville	February 10, 1977	14,647
Glen D. Rice	Swanwick	21	August 17, 1955	Belleville	1	Coutleville	February 10, 1977	14,648
Scotty H. Ward	Winnsboro	21	June 25, 1955	Winnsboro, W. Va.	1	Coutleville	February 10, 1977	14,649
Robert E. Kline	Marion	45	November 28, 1931	Marion, Mo.	1	Coutleville	February 10, 1977	14,650
William Stanley Bynar	Marion	40	November 20, 1946	Marion, Mo.	1	Coutleville	February 10, 1977	14,651
Dennis L. Beck	Swanwick	24	April 20, 1952	Sparta	1	Coutleville	February 10, 1977	14,652
Jimmie L. Walker	Coutleville	43	June 22, 1936	Kahoka, Miss.	1	Coutleville	February 10, 1977	14,653
Edwin V. Krause	Mascoutah	58	August 28, 1918	Tranton	1	Coutleville	February 10, 1977	14,654
Robert E. Babcock	Marissa	28	August 2, 1948	Denver, Colo.	1	Coutleville	February 10, 1977	14,655



Marissa	23	October 11, 1953	Cardinale	1	Coutleville	February 10, 1977	14,555
Perry	26	September 20, 1950	Percy	1	Coutleville	February 10, 1977	14,561
New Athens	23	March 29, 1953	Springfield, Mo.	1	Coutleville	February 10, 1977	14,568
Greenville	23	February 14, 1953	Highland	1	Coutleville	February 10, 1977	14,569
Mascoutah	25	December 21, 1951	St. Louis, Mo.	1	Coutleville	February 10, 1977	14,561
Pickneyville	26	January 6, 1951	St. Louis, Mo.	1	Coutleville	February 10, 1977	14,561
Hecker	19	June 2, 1957	Redbud	1	Coutleville	February 10, 1977	14,562
Freeburg	20	March 19, 1956	Belleville	1	Coutleville	February 10, 1977	14,563
Prairie Du Rocher	29	February 15, 1947	Red Bud	1	Coutleville	February 10, 1977	14,564
Pickneyville	33	April 4, 1943	DuQuoin	1	Coutleville	February 10, 1977	14,565
Marissa	28	November 17, 1948	DuQuoin	1	Coutleville	February 10, 1977	14,565
Coutleville	25	October 20, 1948	DuQuoin	1	Coutleville	February 10, 1977	14,565
Marysville	25	October 15, 1951	DuQuoin	2	Coutleville	February 10, 1977	14,565
Christopher	35	September 30, 1941	Springfield, Mo.	1	Coutleville	February 10, 1977	14,567
Pittsburg	31	January 16, 1956	Harrisburg	1	Coutleville	February 10, 1977	14,568
Benton	28	September 10, 1948	DuQuoin	1	DuQuoin	February 11, 1977	14,667
Christopher	28	July 4, 1948	Chippewa Falls, Wis.	1	Zegler	February 12, 1977	14,671
Cardinale	25	July 11, 1951	DuQuoin	1	Zegler	February 12, 1977	14,672
Marion	24	July 31, 1952	Bloomington	1	Zegler	February 12, 1977	14,673
Hillsboro	29	August 25, 1947	Harrisburg	1	Zegler	February 12, 1977	14,674
Hillsboro	25	August 16, 1951	Hillsboro	1	Gillespie	February 12, 1977	14,675
Hillsboro	31	October 4, 1945	Hillsboro	1	Gillespie	February 14, 1977	14,676
Stanton	23	August 20, 1953	Montealegre, Minn.	1	Gillespie	February 14, 1977	14,676
Sawyer	23	July 7, 1953	St. Louis, Mo.	1	Gillespie	February 14, 1977	14,676
Fillmore	51	February 19, 1949	St. Louis, Mo.	1	Gillespie	February 14, 1977	14,678
Fillmore	51	June 9, 1954	St. Louis, Mo.	2	Gillespie	February 14, 1977	14,679
Hillsboro	22	October 26, 1957	Coffeen	1	Gillespie	February 14, 1977	14,680
Vandalia	19	June 9, 1954	Indianapolis, Ind.	1	Gillespie	February 14, 1977	14,681
Coffeen	30	March 21, 1946	Decatur	1	Gillespie	February 14, 1977	14,682
Panama	46	October 9, 1930	Taylor Springs	1	Gillespie	February 14, 1977	14,683
Panama	26	April 28, 1950	Hillsboro	1	Gillespie	February 14, 1977	14,684
Mt. Olive	23	July 8, 1953	Litchfield	1	Gillespie	February 14, 1977	14,685
Gillespie	20	April 24, 1956	Litchfield	1	Gillespie	February 14, 1977	14,686
Sorento	33	December 11, 1943	Highland	1	Gillespie	February 14, 1977	14,687
Tuscola	50	August 28, 1926	Gray Summit, Mo	1	Gillespie	February 14, 1977	14,688
Terre Haute, Ind	33	December 26, 1943	Terre Haute, Ind.	1	Gillespie	February 14, 1977	14,689
Cinton, Ind.	20	October 20, 1955	Cinton, Ind.	1	Gillespie	February 14, 1977	14,690
Marion, Ind.	50	November 25, 1945	Tuscola, Ind.	1	Gillespie	February 14, 1977	14,691
Marion, Ind.	50	August 8, 1926	Rend City	1	Gillespie	February 14, 1977	14,691
Benton	36	July 3, 1940	Los Angeles, Calif.	1	Gillespie	February 14, 1977	14,692
Herrin	26	March 7, 1950	Herrin	1	Gillespie	February 14, 1977	14,693
Benton	34	August 12, 1942	Herrin	1	Gillespie	February 14, 1977	14,694
Marion	29	October 19, 1947	Cromona, Ky	1	Gillespie	February 14, 1977	14,695
Herrin	23	September 9, 1953	Rosclaire	3	Gillespie	February 14, 1977	14,696
Marissa	24	April 23, 1952	Anna	1	Gillespie	February 14, 1977	14,697
Herrin	23	November 3, 1953	Christopher	4	Gillespie	February 14, 1977	14,698
Buckner	31	February 17, 1946	Herrin	1	Gillespie	February 14, 1977	14,699
Herrin	29	July 25, 1947	Benton	1	Gillespie	February 14, 1977	14,700
Herrin	29	November 21, 1948	Evanston	1	Gillespie	February 14, 1977	14,701
West Frankfort	28	December 21, 1947	Hanover, Penn.	4	Gillespie	February 14, 1977	14,702
C. Swings	32	September 27, 1944	Herrin	1	Gillespie	February 14, 1977	14,703
Benton	41	October 5, 1935	Royalton	1	Gillespie	February 14, 1977	14,704
Mt. Vernon	28	September 18, 1948	Royalton	6	Gillespie	February 14, 1977	14,705
Harrisburg	38	February 10, 1939	Mt. Vernon	1	Gillespie	February 14, 1977	14,706
			Harrisburg	1	Harrisburg	March 3, 1977	14,708
							14,709

# CERTIFICATES ISSUED BY MINERS' EXAMINING BOARD — FIRST CLASS — 1977

Name of applicant	Post Office address	Age	Date of birth	Birthplace	Years Exp.	Place of examination	Date of examination	Cert. No.
Philip L. Williams	Eldorado	30	September 18, 1946	Tulv, Ky.	1	Harrisburg	March 3, 1977	14,710
Lyndell G. Walker	Harrisburg	20	December 9, 1956	Harrisburg	1	Harrisburg	March 3, 1977	14,711
James D. Wallace	Harrisburg	23	September 2, 1953	Harrisburg	1	Harrisburg	March 3, 1977	14,712
Bob Durant, Jr.	Harrisburg	21	September 27, 1955	Harrisburg	2	Harrisburg	March 3, 1977	14,713
Robert C. Haffard	Harrisburg	32	June 11, 1944	Eldorado	1	Harrisburg	March 3, 1977	14,714
James M. Krehorn	Harrisburg	56	October 4, 1922	Harrisburg	3	Harrisburg	March 3, 1977	14,715
Leburn J. J. Dameron	Creal Springs	37	May 28, 1920	Elkville	7 mo.	Harrisburg	March 3, 1977	14,716
Richard Lee Jay	Poseyville, Ind.	39	June 9, 1937	Ottumwa, Iowa	1	Harrisburg	March 3, 1977	14,717
William C. Hinz	Mt. Olive	37	January 9, 1950	Itchenia, Mo.	1	Harrisburg	March 3, 1977	14,718
Ernest T. White, Jr.	Litchfield	42	July 17, 1935	St. Louis, Mo.	1	Harrisburg	March 3, 1977	14,719
Dave A. Neighbors	Arden	21	July 16, 1956	Springfield	2	Harrisburg	March 3, 1977	14,720
Leann Buchanan	Harrisburg	42	April 16, 1934	Harrisburg	1	Harrisburg	March 3, 1977	14,721
Larry E. Hall	Harrisburg	23	January 4, 1954	Harrisburg	1	Harrisburg	March 3, 1977	14,722
Stanley F. Patton	Gallatin	28	June 30, 1948	Eldorado	1	Harrisburg	March 3, 1977	14,723
Stanley F. Patton	Ridgway	32	June 30, 1944	Shawneetown	1	Harrisburg	March 3, 1977	14,724
Carlos B. Brasher	Equality	28	May 6, 1948	Eldorado	4	Harrisburg	March 3, 1977	14,725
Donald E. Simmons	Harrisburg	48	November 10, 1928	Harrisburg	2	Harrisburg	March 3, 1977	14,726
Paul K. Wenzel	Shawneetown	26	July 18, 1950	Johnston City	4	Harrisburg	March 3, 1977	14,727
Roy N. Shearer	Pawnee	31	May 16, 1946	Lexington, Ky.	2	Harrisburg	March 3, 1977	14,728
Martin F. Harrison	Taylorville	48	February 6, 1928	Dover, Ohio	6	Harrisburg	March 3, 1977	14,729
Louis David Albridge	Taylorville	36	August 18, 1940	Murphysboro	16	Harrisburg	March 3, 1977	14,730
Lawrence Campbell	O'Fallon	51	December 23, 1925	Kincaid	1	Harrisburg	March 3, 1977	14,731
Michael R. Calvert	Marissa	27	October 6, 1949	Red Bud	1	Harrisburg	March 3, 1977	14,732
Randall W. Rittle	Belleville	36	February 12, 1941	Belleville	1	Harrisburg	March 3, 1977	14,733
Rickey Wilton	Manassa	23	August 8, 1953	Lebanon, Penn.	1	Harrisburg	March 3, 1977	14,734
John M. Hepworth	Belleville	36	December 10, 1956	Terre Haute, Ind.	1	Harrisburg	March 3, 1977	14,735
Donald T. Davis	Belleville	36	July 31, 1941	Belleville	1	Harrisburg	March 3, 1977	14,736
Donald J. Spang	Belleville	25	February 15, 1952	Belleville	1	Harrisburg	March 3, 1977	14,737
Lawrence R. Latham	Frederick	39	July 21, 1937	Spargy	1	Harrisburg	March 3, 1977	14,738
James T. Gardner	Frederick	34	August 6, 1937	St. Louis, Mo.	1	Harrisburg	March 3, 1977	14,739
Robert E. Davis	Coutsville	31	August 10, 1942	Murphysboro	1	Harrisburg	March 3, 1977	14,740
Michael R. Reynolds	Belleville	22	July 22, 1945	Sparta	1	Harrisburg	March 3, 1977	14,741
Alan M. Moon	Freeburg	19	May 21, 1957	St. Louis, Mo.	1	Harrisburg	March 3, 1977	14,742
Gerald D. Lee	Belleville	46	June 14, 1930	Mechanicsburg, Penn.	1	Harrisburg	March 3, 1977	14,743
Mike E. Yancey	DuQuoin	24	September 30, 1952	Belleville	5	Harrisburg	March 3, 1977	14,744
Richard H. Gossett	DuQuoin	28	August 7, 1952	Gillespie	3	Harrisburg	March 3, 1977	14,745
Rick D. Bigham	West Frankfort	23	July 8, 1948	Herrin	1	Harrisburg	March 3, 1977	14,746
Dale E. Pribble	Benton	33	April 18, 1953	Herrin	3	Harrisburg	March 3, 1977	14,747
Donald O. Vinson	Herrin	39	August 16, 1937	Christopher	4	Harrisburg	March 3, 1977	14,748
Bobby J. Overstreet	W. Terre Haute, Ind.	28	September 5, 1948	Makanda	2	Harrisburg	March 3, 1977	14,749
Edward E. Myers, Jr.	Crossville	31	September 15, 1945	Herrin	7 mo.	Harrisburg	March 3, 1977	14,750
Carl D. Leedy	Johnston City	25	October 17, 1951	Pikeville, Ky.	1	Harrisburg	March 3, 1977	14,751
Don L. Byrd	Bunker Hill	37	November 29, 1939	Evansville, Ind.	1	Harrisburg	March 3, 1977	14,752
				Rodgie, Tenn.		Harrisburg	March 3, 1977	14,753
						Harrisburg	March 3, 1977	14,754
						Harrisburg	March 3, 1977	14,755

Sherman L. Suits	Litchfield	June 27, 1951	St. Louis, Mo.	1	Gillespie	March 14, 1977	14,756
Arthur M. Boeck	Gillespie	October 27, 1952	Litchfield	1	Gillespie	March 14, 1977	14,757
Dennis E. Reid	Carlinville	November 4, 1952	Carlinville	1	Gillespie	March 14, 1977	14,758
James R. Allen	Herrin	November 18, 1942	Little Rock, Ark.	1	Benton	April 1, 1977	14,759
L. Max Cooper	Prairie, Ind.	December 26, 1951	Marville, Mo.	7 mo.	Benton	April 1, 1977	14,760
Bobby F. Jones	Galatia	March 23, 1938	Ann Arbor, Mich.	1	Benton	April 1, 1977	14,761
Lewis Baldwin	Shawneetown	June 7, 1948	Herrin	1	Benton	April 1, 1977	14,762
William W. O'Brien	Hurst	March 10, 1941	Herrin	1	Benton	April 1, 1977	14,763
Richard L. Thompson	West Frankfort	June 12, 1951	Blairville	3	Benton	April 1, 1977	14,764
Doris J. Emis	Carlinville	May 20, 1951	Christopher	1	Benton	April 1, 1977	14,765
Robert W. Weyer	Christopher	June 12, 1951	Farfield	6 mo.	Benton	April 1, 1977	14,766
Wesley A. Beasley	Prairie, Ind.	January 7, 1955	Freelandville, Ind.	1	Mt. Carmel	April 2, 1977	14,768
Larry L. Toney	Princeton, Ind.	June 19, 1955	Freelandville, Ind.	1	Mt. Carmel	April 2, 1977	14,769
Decker, Ind.	Oakton, Ind.	May 20, 1933	Oakland City, Ind.	1	Springfield	April 2, 1977	14,770
Larry D. Krieger	Decker, Ind.	May 13, 1950	Springfield	1	Harrisburg	April 4, 1977	14,771
Mark A. Palmer	Auburn	February 27, 1951	Dayton, Ohio	1	Harrisburg	April 5, 1977	14,772
Lytle S. Welch	Marion	June 27, 1948	Marion	1	Harrisburg	April 5, 1977	14,773
Dallas R. Duty	Marion	September 6, 1953	Norfolk, Va.	1	Harrisburg	April 5, 1977	14,774
Bruce W. Allen	Harrisburg	October 16, 1953	Harrisburg	1	Harrisburg	April 5, 1977	14,775
James M. Starnes	Harrisburg	November 21, 1951	Vienna	1	Harrisburg	April 5, 1977	14,776
Thomas L. Gilliam	Harrisburg	January 6, 1946	Edon, Ind.	1	Harrisburg	April 5, 1977	14,777
Larry W. Smith	Carrier Mills	May 3, 1951	Harrisburg	1	Harrisburg	April 5, 1977	14,778
Robert J. Milbeck	Harrisburg	June 16, 1956	Elizabethtown	1	Harrisburg	April 5, 1977	14,779
John D. Myers	Harrisburg	June 5, 1954	Elizabethtown	1	Harrisburg	April 5, 1977	14,780
John R. Patton	Marion	February 23, 1951	El Dorado	8	Harrisburg	April 5, 1977	14,781
Orval G. Bundren	Marion	April 17, 1925	El Dorado	7	Harrisburg	April 5, 1977	14,782
Kenneth E. Murray	Eldorado	December 21, 1947	Clinton, Ind.	1	Taylorville	April 6, 1977	14,784
Francis L. Vansickle	Eldorado	May 10, 1920	Pana	1	Couterville	April 6, 1977	14,785
Charles L. Schafer	Pana	September 25, 1952	Glendary, Miss.	1	Couterville	April 7, 1977	14,786
Robert L. Williams	Springfield	September 29, 1944	Carbondale	1	Couterville	April 7, 1977	14,787
Paul E. Addison	Willisville	July 2, 1929	Red Bud	1	Couterville	April 7, 1977	14,788
Anthony Carl Meyer	Evansville	March 26, 1955	Belleville	1	Couterville	April 7, 1977	14,789
Scott A. Hoehner	Marissa	April 21, 1957	Shreveport, La.	1	Couterville	April 7, 1977	14,790
Scott A. Hoehner	Marissa	October 6, 1956	Belleville	1	Couterville	April 7, 1977	14,791
Edward T. Wilson, Jr.	New Athens	August 28, 1954	Belleville	1	Couterville	April 7, 1977	14,792
David L. Tometto	Springfield	February 25, 1957	Pinckneyville	1	Couterville	April 7, 1977	14,793
Allen H. Hoppel	New Athens	November 20, 1954	St. Louis, Mo.	1	Couterville	April 7, 1977	14,794
Dennis L. Kinzel	Marissa	July 15, 1943	Cutler	1	Couterville	April 7, 1977	14,795
Ronald L. Henne	Pinckneyville	January 26, 1948	Chester	1	Couterville	April 7, 1977	14,796
Robert R. Rathert	Chester	September 25, 1954	Murphysboro	1	Couterville	April 7, 1977	14,797
Richard A. King	Cutler	January 20, 1952	Belleville	1	Sesser	April 7, 1977	14,798
Charles R. Wilson	Marissa	November 10, 1953	Herrin	1	Sesser	April 8, 1977	14,799
Leo J. Thomas	Marion	July 25, 1952	Benton	1	Sesser	April 8, 1977	14,800
Richard L. Wilcox	Benton	January 26, 1950	Carbondale	1	Sesser	April 8, 1977	14,801
Stephen L. Miller	Valer	June 25, 1946	Chicago	1	Sesser	April 8, 1977	14,802
Don L. Cruz	Benton	April 14, 1965	Pinckneyville	6 mo.	Sesser	April 8, 1977	14,803
David E. Morris	Amador	December 3, 1956	Carlsbad, N.M.	1	Sesser	April 8, 1977	14,804
Robert E. Moss	Benton	September 26, 1947	East Chicago, Ind.	1	Sesser	April 8, 1977	14,805
Margaret M. Ivins	Benton	March 30, 1934	Tenn Ridge, Tenn.	1	Sesser	April 8, 1977	14,806
William J. Patterson	Goreville	February 9, 1947	Chicago	1	Sesser	April 8, 1977	14,807
John P. Bertati	West Frankfort	October 12, 1951	Harrisburg	1	Sesser	April 8, 1977	14,808
Stephen M. Parks	Eldorado	July 17, 1954	East St. Louis	1	Sesser	April 8, 1977	14,809
Timothy R. Anderson	West Frankfort						

# CERTIFICATES ISSUED BY MINERS' EXAMINING BOARD—FIRST CLASS—1977

Name of applicant	Post Office address	Age	Date of birth	Birthplace	Years Exp.	Place of examination	Date of examination	Cert. No.
Fred E. Dunaway	Marion	57	November 19, 1919	Arnoldview	3	Zeigler	April 9, 1977	14,810
William R. Bondi	Zeigler	23	July 25, 1953	Christopher	1	Zeigler	April 9, 1977	14,811
Melvin B. Gregg	West Frankfort	22	August 28, 1954	Herrin	1	Zeigler	April 9, 1977	14,812
Raymond A. Gum	Greenville	38	December 30, 1938	Tamaco	2	Gillespie	April 11, 1977	14,813
Carl J. Gilpin	Farmersville	24	January 24, 1953	Hillsboro	1	Gillespie	April 11, 1977	14,814
Floyd Jackson	Shipman	27	May 18, 1950	St. Louis, Mo.	3	Gillespie	April 11, 1977	14,815
William E. Butler	Wilsonville	22	November 15, 1954	Jacksonville	1	Gillespie	April 11, 1977	14,816
James E. Powell, Jr.	Carlinville	44	September 15, 1932	Springfield	1	Gillespie	April 11, 1977	14,817
Lawrence W. Frazier	Carlinville	42	January 18, 1935	Springfield	1	Gillespie	April 11, 1977	14,818
David M. Drury	Carlinville	21	January 28, 1949	Carlinville	1	Gillespie	April 11, 1977	14,819
Patrick T. Walker	Channah City	21	August 8, 1955	Hillsboro	1	Gillespie	April 11, 1977	14,820
Robin L. Norzco	Gillespie	20	October 29, 1956	Litchfield	1	Gillespie	April 11, 1977	14,821
Robby	Gillespie	33	June 8, 1943	Salem, Mo.	2	Gillespie	April 11, 1977	14,822
Richard E. Apple, Sr.	Carlinville	37	August 14, 1939	Ridgeway	1	Gillespie	April 11, 1977	14,823
Michael J. Collins	Hillsboro	24	February 6, 1953	Hillsboro	1	Gillespie	April 11, 1977	14,824
Vallie R. Zentler	Tamara	28	February 14, 1949	Christopher	1	Gillespie	April 11, 1977	14,825
Richard Kirkpatrick	DuQuoin	24	July 21, 1952	Chicago	1	DuQuoin	April 12, 1977	14,826
Mark A. Peska	Scheller	22	January 22, 1955	Chicago	1	DuQuoin	April 12, 1977	14,827
Robert W. Sezekorn	DuBois	45	October 1, 1931	St. Louis, Mo.	1	DuQuoin	April 12, 1977	14,828
James T. Whitfield	Madisonville, Ky.	21	September 25, 1955	Madisonville, Ky.	3	DuQuoin	April 12, 1977	14,829
Dennis L. Felty	Stonestoft	26	October 11, 1950	Harrisburg	1	Eldorado	April 13, 1977	14,830
John D. Hancock	Eldorado	24	September 16, 1952	Harrisburg	1	Eldorado	April 13, 1977	14,831
James W. Ferrell	Harrisburg	29	September 24, 1948	Harrisburg	1	Eldorado	April 13, 1977	14,832
Vicky G. Pritchett	Galita	22	August 16, 1954	Harrisburg	1	Eldorado	April 13, 1977	14,833
Richard G. Woodard	Eldorado	22	June 24, 1954	Joliet	1	Eldorado	April 13, 1977	14,834
James H. Mitchell	Raleigh	43	April 23, 1933	Harrisburg	1	Eldorado	April 13, 1977	14,835
Thomas H. Cates	Madisonville, Ky.	20	April 23, 1956	Madisonville, Ky.	23	Eldorado	April 13, 1977	14,836
James P. Russell, Jr.	Frisburg	31	September 2, 1946	Paris	1	Eldorado	April 13, 1977	14,837
Steve A. Genisio	Benton	32	October 17, 1955	Benton	1	Eldorado	April 13, 1977	14,838
Terry L. Downs	Paris	21	April 13, 1955	Paris	1	Eldorado	April 13, 1977	14,839
Robert K. Roberts	Bellefonte	53	November 16, 1923	Harrisburg	5	Tuscola	April 14, 1977	14,840
George E. Staman	Arcola	24	June 25, 1952	Decatur	1	Tuscola	April 14, 1977	14,841
James M. Davis	Gillespie	21	August 7, 1955	Great Lakes	1	Tuscola	April 14, 1977	14,842
Richard C. Clark, Jr.	Gillespie	25	July 26, 1951	Chicago	1	Tuscola	April 14, 1977	14,843
Everett A. Gilsrtr	Newman	21	November 8, 1955	Litchfield	1	Tuscola	April 14, 1977	14,844
Matthew T. Starks	W. Terre Haute, Ind.	19	September 15, 1955	Salem, Ind.	1	Tuscola	April 14, 1977	14,845
Russell E. Borders	Harrisburg	21	October 4, 1957	W. Terre Haute, Ind.	1	Tuscola	April 14, 1977	14,846
John D. Duncan	Johnston City	28	December 1, 1955	Harrisburg	1	Eldorado	May 3, 1977	14,847
William F. Dillon	Pawnee	28	December 15, 1948	Herrin	1	Eldorado	May 3, 1977	14,848
Ray G. Blackshare	West Frankfort	35	February 8, 1942	Springfield	1	Taylorville	May 5, 1977	14,850
Jerry L. Gossett	Herrin	24	July 20, 1952	Bloomfield, Mo.	1	Sesser	May 5, 1977	14,851
Richard K. Brown	Herrin	37	November 24, 1939	Christopher	1	Sesser	May 5, 1977	14,852
Herman D. Coder	Buckner	36	January 3, 1941	Joliet	1	Sesser	May 5, 1977	14,853
Stacy J. Hosmon	Marion	22	October 7, 1954	Herrin	2	Sesser	May 5, 1977	14,854

Michael L. Tate	Benton	December 12, 1951	Christopher	1	Sesser	May 5, 1977	14,856
Robert F. Jr.	Johnston City	December 11, 1931	Marion	1	Benton	May 6, 1977	14,857
Jarence W. Ferguson	Marion	February 1, 1943	Marion	1	Benton	May 6, 1977	14,858
Philip D. Hutchins	West Frankfort	September 12, 1951	Christopher	1	Benton	May 6, 1977	14,859
Carl E. Dorris	Johnston City	March 20, 1930	Johnston City	1	Benton	May 6, 1977	14,860
John R. Glass	West Frankfort	April 14, 1951	Greensburg, Ind.	1	Benton	May 6, 1977	14,861
Steven L. Wolfe	West Frankfort	May 9, 1951	Litchfield	1	Benton	May 6, 1977	14,862
James E. Stevens	Galatia	October 1, 1945	West Frankfort	1	Benton	May 6, 1977	14,863
Philip E. Richards	Herrin	January 4, 1942	Springfield	1	Benton	May 6, 1977	14,864
Richard D. Hammond	Benton	June 16, 1942	Benton	1	Benton	May 6, 1977	14,865
William C. Robinson	West Frankfort	April 27, 1942	Christopher	1	Benton	May 6, 1977	14,866
Harold L. Williams	Mt. Vernon	September 14, 1940	Woods	1	Benton	May 6, 1977	14,867
Joseph W. Jones	Franklin, Ind.	April 28, 1947	Madisonville, Ky	1	Benton	May 6, 1977	14,868
Ray W. Stone	Grayville	July 19, 1951	Grayville	1	Mt. Carmel	May 7, 1977	14,869
Marvin J. Harvey	Kennsburg	January 21, 1940	Cowling	1	Mt. Carmel	May 7, 1977	14,870
Marvin L. Beasley	Francisco, Ind.	January 3, 1957	Princeton, Ind.	1	Mt. Carmel	May 7, 1977	14,871
Leslie H. Williams	Francisco, Ind.	February 27, 1951	Princeton, Ind.	1	Mt. Carmel	May 7, 1977	14,872
Paula Coston Krug	Mt. Carmel	September 20, 1953	Evansville, Ind.	1	Mt. Carmel	May 7, 1977	14,873
Julia S. Padgett	Vincennes, Ind.	July 16, 1940	Indianapolis, Ind.	1	Mt. Carmel	May 7, 1977	14,874
Alfred S. Erwin	Bicknell	March 18, 1947	Vincennes, Ind.	1	Mt. Carmel	May 7, 1977	14,875
Marvin R. Moore	Mt. Carmel	October 9, 1947	Pontiac, Mich.	3	Mt. Carmel	May 7, 1977	14,876
Susan L. Shaw	Mt. Carmel	December 5, 1955	Princeton, Ind.	1	Mt. Carmel	May 7, 1977	14,877
William E. Condon	Mt. Carmel	August 1, 1948	Cleveland, Ohio	9 mo.	Mt. Carmel	May 7, 1977	14,878
William C. Johnson	Shawneetown	April 13, 1948	Shawneetown	1	Shawneetown	May 7, 1977	14,879
Robert A. Holroy	Shawneetown	April 12, 1948	Shawneetown	1	Couterville	May 9, 1977	14,880
Gerard A. Strub	Columbia	July 13, 1955	Shawneetown	1	Couterville	May 9, 1977	14,881
Robert A. Ferenbach	Baldwin	June 28, 1941	Bellevue	1	Couterville	May 9, 1977	14,882
Robert W. Dingels	Baldwin	August 9, 1931	East St. Louis	1	Couterville	May 9, 1977	14,883
Robert A. Schmoll	Red Bud	October 14, 1957	Manassa	1	Couterville	May 9, 1977	14,884
John W. Risley	Tilden	February 14, 1955	Red Bud	1	Couterville	May 9, 1977	14,885
Donald R. Denickson	Chester	June 29, 1936	Murphysboro	1	Couterville	May 9, 1977	14,886
Jaale G. Gaul	Ava	April 4, 1953	Red Bud	1	Couterville	May 9, 1977	14,887
Michael L. Greenfield	Fairview Heights	January 26, 1957	East St. Louis	1	Couterville	May 9, 1977	14,888
Michael D. Horner	Couterville	January 5, 1951	DuQuoin	1	Couterville	May 9, 1977	14,889
Robert R. McMillan	Princeton, Ind.	January 30, 1941	Sparta	1	Couterville	May 9, 1977	14,890
Harley A. Rasing	Princeton, Ind.	January 30, 1941	Camper Hill	1	Couterville	May 9, 1977	14,891
Charles A. Rasing	Couterville	July 3, 1954	Bellevue	1	Couterville	May 9, 1977	14,892
Daniel R. Sprinkle	Couterville	August 30, 1957	Bellevue, Pa.	1	Couterville	May 9, 1977	14,893
Jarence W. Marler	Tilden	November 26, 1934	Sparta	1	Couterville	May 9, 1977	14,894
James L. Goodwin	Mascoutah	April 21, 1919	Marissa	1	Couterville	May 9, 1977	14,895
Dennis J. Kues	Venedy	May 21, 1942	Hardart, S.C.	1	Couterville	May 9, 1977	14,896
James C. Schlesinger	Mascoutah	May 20, 1948	Centralia	1	Couterville	May 9, 1977	14,897
Paul W. Parker	Mascoutah	September 25, 1952	Bellevue	1	Couterville	May 9, 1977	14,898
erry L. Dahlem	Freburg	May 3, 1948	East St. Louis	1	Couterville	May 9, 1977	14,899
Donald G. Lange	Venedy	June 21, 1956	Red Bud	1	Couterville	May 9, 1977	14,900
George H. Peacock	Collinsville	October 2, 1944	Bellevue	1	Couterville	May 9, 1977	14,901
James A. S. Hester	Laurens	April 26, 1940	Oakland City, Ind.	1	Gillespie	May 10, 1977	14,902
Joseph J. Martin	Waverly Springs	September 8, 1929	Hillsboro	1	Gillespie	May 10, 1977	14,903
Cenneth A. Osmoe	Mt. Olive	September 17, 1948	Jersey City, N.J.	6	Gillespie	May 10, 1977	14,904
Ronald L. Seamon	Hillsboro	February 17, 1948	Lebanon, Ore.	1	Gillespie	May 10, 1977	14,905
Thomas W. Brown	Mt. Olive	September 8, 1952	Hillsboro	5	Gillespie	May 10, 1977	14,906
			Litchfield	1	Gillespie	May 10, 1977	14,907
					Gillespie	May 10, 1977	14,908
					Gillespie	May 10, 1977	14,909

Name of applicant	Post Office address	Age	Date of birth	Birthplace	Years Exp.	Place of examination	Date of examination	Cert. No.
Donnie R. Kropp	Swanwick	19	August 4, 1957	Red Bud	1	DuQuoin	May 11, 1977	14,910
David W. Anheuser	DuQuoin	29	May 10, 1948	DuQuoin	1	DuQuoin	May 11, 1977	14,911
Charles M. Uchurchch	Harrisburg	25	March 10, 1952	Harrisburg	1	Harrisburg	May 12, 1977	14,912
Eddy D. Sherfield	Harrisburg	20	February 28, 1957	Harrisburg	1	Harrisburg	May 12, 1977	14,913
Clarence J. Davis	Marion	35	June 29, 1952	DeSota	1	Harrisburg	May 12, 1977	14,914
Jackie D. Wharry	Marion	24	May 26, 1952	Herrin	1	Harrisburg	May 12, 1977	14,915
Robert E. Logsdon	Marion	32	June 26, 1944	Herrin	1	Harrisburg	May 12, 1977	14,916
Norman D. Owens,	Terre Haute, Ind.	38	November 24, 1938	Harrisburg	1	Tuscola	May 12, 1977	14,918
Michael E. Edwards,	Terre Haute, Ind.	30	March 12, 1957	Clinton, Ind.	1	Tuscola	May 13, 1977	14,919
Alfred H. Sutliff	Newman	34	October 25, 1942	Terre Haute, Ind	1	Tuscola	May 13, 1977	14,920
Phillip F. Underwood	Linton, Ind.	20	September 15, 1956	Bloomington, Ind	1	Tuscola	May 13, 1977	14,921
Larry G. Deason	Villa Grove,	26	February 5, 1951	Spring Valley	1	Tuscola	May 13, 1977	14,922
John L. Robertson,	DeSoto	35	August 15, 1941	DeSoto	1	Zeigler	May 14, 1977	14,923
Gary D. Smith,	Christopher	20	February 21, 1957	Christopher	1	Zeigler	May 14, 1977	14,924
Richard L. Williams	Benton	40	May 23, 1936	Benton	1	Zeigler	May 14, 1977	14,925
Steven M. Hosmon,	Herrin	27	March 27, 1950	Herrin	2	Zeigler	May 14, 1977	14,926
James C. Frickley	Herrin	30	December 27, 1949	Mt Park	1	Zeigler	May 14, 1977	14,927
James G. Averages	Johnston City	30	July 8, 1946	Johnston City	1	Zeigler	May 14, 1977	14,928
Average B. Cobriere	Johnston City	32	April 18, 1944	Johnston City	1	Zeigler	May 14, 1977	14,929
Richard L. Kerkley	DeSoto	32	July 8, 1944	Herrin	1	Benton	June 1, 1977	14,930
Ricky L. Pedigo	Herrin	24	April 19, 1953	Cardabelle	1	Benton	June 1, 1977	14,931
Kenneth W. Summers	Thompsonville	24	January 28, 1948	Benton	1	Benton	June 1, 1977	14,932
Lonnie J. Ross	Clinton, Ind.	19	September 28, 1957	Clinton, Ind	1	Tuscola	June 3, 1977	14,933
Chris Talkington	Eldorado	19	October 31, 1957	Eldorado	1	Eldorado	June 3, 1977	14,934
Jerry J. Trousdale	Ridgway	29	August 1, 1952	Eldorado	1	Eldorado	June 3, 1977	14,935
Xent V. Dunford	Thompsonville	29	March 11, 1948	Benton	1	Eldorado	June 3, 1977	14,936
Urtis R. Hall	West Frankfort	31	December 4, 1945	Cardabelle	1	Eldorado	June 3, 1977	14,937
Robert J. Donahay	Prairie, Ind.	53	March 31, 1924	Bruceville, Ind.	1	Mt. Carmel	June 4, 1977	14,938
Margaret E. Kijonka	Grayville	26	June 1, 1951	Grayville	1	Mt. Carmel	June 4, 1977	14,939
Albert J. Dudzik	Mt. Carmel	26	October 8, 1950	Martins Ferry, Ohio	3	Mt. Carmel	June 4, 1977	14,940
Wanda J. Ross	Princeton, Ind.	22	June 20, 1955	Princeton, Ind.	1	Mt. Carmel	June 4, 1977	14,941
Kenneth E. Fox	Hillsboro	22	September 9, 1951	Murphysboro	1	Mt. Carmel	June 4, 1977	14,942
Kim A. Richno	Oakland	22	October 12, 1954	Springfield	1	Springfield	June 6, 1977	14,943
James R. Barrington	Virden	30	October 28, 1946	Springfield	1	Springfield	June 6, 1977	14,944
Mark Brothers	Harrisburg	22	November 8, 1954	Harrisburg	1	Harrisburg	June 7, 1977	14,945
Michael Mindel	Harrisburg	25	January 11, 1951	Carrier Mills	1	Harrisburg	June 7, 1977	14,946
Norman Mann	Carrier Mills	27	October 6, 1945	Chicago	1	Harrisburg	June 7, 1977	14,947
Max D. Brown,	Rockville, Ind.	27	January 19, 1950	Harrisburg	1	Harrisburg	June 7, 1977	14,948
Max D. Hill	Rockville, Ind.	45	January 20, 1930	Shelburn, Ind	3	Taylorville	June 7, 1977	14,949
VOID								
ernando R. Bryant	Taylorville	23	July 21, 1953	Holden, W. Va	1	Taylorville	June 8, 1977	14,951
Randy E. Jackson	Kincaid	27	August 21, 1955	Taylorville	1	Taylorville	June 8, 1977	14,952
Sue Ann Lea	Okawville	27	October 2, 1949	Belleville	1	Coutterville	June 9, 1977	14,953
Glenda J. Thomas,	Pineckneville	39	February 25, 1938	Pineckneville	1	Coutterville	June 9, 1977	14,954
William Winkelman	Steelyville	31	April 19, 1946	Murphysboro	1	Coutterville	June 9, 1977	14,955

David J. Gill	19	November 21, 1957	Pinkneyville	1	Couterville	June 9, 1977	14,956
Robert P. Mueller	34	November 10, 1942	Belleville	6	Couterville	June 9, 1977	14,957
Randall Gene Dempsey	25	June 5, 1951	Harrisburg	1	Couterville	June 9, 1977	14,958
James Kaiser	27	April 22, 1950	Belleville	1	Couterville	June 9, 1977	14,959
Philip Spivey	31	May 4, 1946	Belleville	1	Couterville	June 9, 1977	14,960
John Spivey	31	May 4, 1946	C. M. Ireland	1	Couterville	June 9, 1977	14,961
David Lee Guiley	23	September 7, 1953	Harrisburg	1	Couterville	June 9, 1977	14,962
Richard Whiting	22	August 2, 1954	Clifton Forge, Va.	1	Couterville	June 9, 1977	14,963
West Frankfort	37	February 29, 1940	Benton	1	Sesser	June 10, 1977	14,964
Herrin	30	November 30, 1946	Litchfield	1	Sesser	June 10, 1977	14,965
Kenneth H. Williams	25	April 7, 1950	Christopher	1	Sesser	June 10, 1977	14,966
West Frankfort	27	November 13, 1951	Christopher	1	Sesser	June 10, 1977	14,967
Ralph Nanni	25	December 31, 1949	Christopher	1	Sesser	June 10, 1977	14,968
Steven Dunham	27		Christopher	1	Sesser	June 10, 1977	14,969
JOID	20	August 5, 1956	Benton	1	Sesser	June 10, 1977	14,970
Jennis Richardson	44	June 17, 1932	Pittsburg	1	Zeigler	June 11, 1977	14,971
Karen L. Sanders	36	December 13, 1938	Christopher	1	Zeigler	June 11, 1977	14,972
Charles Browning	26	December 13, 1938	Christopher	1	Zeigler	June 11, 1977	14,973
Alfred L. Flood	35	June 27, 1946	Cape Girardeau, Mo.	1	Zeigler	June 11, 1977	14,974
Larry Ellis	30	June 27, 1946	Herrin	1	Zeigler	June 11, 1977	14,975
Jerus Dodd	51	June 9, 1926	Whiteash	1	Zeigler	June 11, 1977	14,976
Christopher	31	July 8, 1945	West Frankfort	1	Zeigler	June 11, 1977	14,977
Charles F. Rowland	23	April 26, 1954	Christopher	1	Zeigler	June 11, 1977	14,978
Alan Funkhouser	23	February 28, 1956	Benton	1	Zeigler	June 11, 1977	14,979
Thompsonville	21	May 25, 1949	Christopher	1	Zeigler	June 11, 1977	14,980
West Frankfort	28	July 4, 1950	Litchfield	1	Gillespie	June 13, 1977	14,981
Gillespie	26	December 14, 1954	Canonsburg, Penn.	1	Gillespie	June 13, 1977	14,982
Carlinville	22	January 25, 1956	Litchfield	1	Gillespie	June 13, 1977	14,983
Gillespie	30	November 9, 1946	Springfield	1	Gillespie	June 13, 1977	14,984
Carlinville	21	May 31, 1946	Litchfield	1	Gillespie	June 13, 1977	14,985
Carlinville	21	May 31, 1946	Litchfield	1	Gillespie	June 13, 1977	14,986
Carlinville	24	June 3, 1953	Litchfield	1	Gillespie	June 13, 1977	14,987
DuQuoin	28	March 1, 1949	DuQuoin	1	DuQuoin	June 14, 1977	14,988
DuQuoin	41	March 12, 1936	DuQuoin	1	DuQuoin	June 14, 1977	14,989
West Frankfort	32	July 22, 1944	West Frankfort	1	DuQuoin	June 14, 1977	14,990
Tamaroa	26	September 10, 1950	DuQuoin	1	DuQuoin	June 14, 1977	14,991
Raymond	22	April 9, 1955	Litchfield	2	Springfield	July 1, 1977	14,992
George Cough	37	May 9, 1940	Newcastle UPON TYNE 3	7	Springfield	July 1, 1977	14,993
Chatham	24	April 11, 1953	England	1	Springfield	July 1, 1977	14,994
Pana	19	February 24, 1958	Springfield	1	Springfield	July 1, 1977	14,995
James E. Munson	23	April 17, 1954	Pana	1	Springfield	July 1, 1977	14,996
Thomas E. Brown	24	January 10, 1950	Taylorville	1	Springfield	July 1, 1977	14,997
Carlinville	24	January 10, 1950	Carlinville	1	Springfield	July 1, 1977	14,998
Nichols	24	February 20, 1952	Herrin	1	Springfield	July 1, 1977	14,999
James R. Kates	31	February 3, 1945	Decatur	1	Springfield	July 1, 1977	15,000
Stansberry	32	February 28, 1945	Decatur	1	Springfield	July 1, 1977	15,001
Atwater	31	December 28, 1945	Litchfield	1	Springfield	July 1, 1977	15,002
Gary Black	30	May 11, 1947	Litchfield	1	Springfield	July 1, 1977	15,003
George Andracko	27	March 12, 1950	Danville	1	Springfield	July 1, 1977	15,004
Ridge Farm	27	October 19, 1953	Pana	1	Springfield	July 1, 1977	15,005
Taylorville	23	May 18, 1957	Springfield	1	Springfield	July 1, 1977	15,006
Robert H. Tate	20	July 7, 1924	Winkler	4	Springfield	July 1, 1977	15,007
Jarry Spicer	52	June 24, 1950	Logan, W. Va.	1	Springfield	July 1, 1977	15,008
Max Ehrling	27	September 26, 1925	Marissa	1	Springfield	July 1, 1977	15,009
Freiburg	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,010
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,011
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,012
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,013
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,014
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,015
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,016
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,017
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,018
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,019
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,020
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,021
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,022
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,023
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,024
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,025
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,026
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,027
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,028
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,029
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,030
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,031
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,032
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,033
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,034
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,035
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,036
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,037
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,038
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,039
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,040
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,041
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,042
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,043
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,044
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,045
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,046
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,047
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,048
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,049
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,050
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,051
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,052
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,053
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,054
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,055
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,056
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,057
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,058
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,059
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,060
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,061
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,062
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,063
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,064
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,065
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,066
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,067
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,068
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,069
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,070
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,071
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,072
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,073
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,074
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,075
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,076
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,077
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,078
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,079
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,080
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,081
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,082
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,083
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,084
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,085
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,086
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,087
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,088
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,089
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,090
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,091
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,092
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,093
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,094
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,095
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,096
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,097
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,098
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,099
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,100
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,101
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,102
William A. Forquer	51	August 26, 1953	DuQuoin	1	Springfield	July 1, 1977	15,103
William A. Forquer	51	August 26,					

CERTIFICATES ISSUED BY MINERS' EXAMINING BOARD—FIRST CLASS—1977

Name of applicant	Post Office address	Age	Date of birth	Birthplace	Years Exp.	Place of examination	Date of examination	Cert. No.
Lois M. Jamison	Tilden	37	September 23, 1938	Waco, Texas	1	Couterville	July 6, 1977	15,009
William D. Jordan	Misconduct	31	March 9, 1946	Niagara Falls, N.Y.	1	Couterville	July 6, 1977	15,010
Ned Wright	Tilden	32	April 25, 1945	Hopkinsville, Ky.	1	Couterville	July 6, 1977	15,011
Larry G. Little	New Athens	31	June 23, 1946	E. St. Louis	1	Couterville	July 6, 1977	15,012
Sharon A. Wright	Pineknobville	22	January 24, 1955	Pineknobville	1	Couterville	July 6, 1977	15,013
Leo Nawrocki	Clinton	52	December 8, 1924	Clinton, Ind.	2	Couterville	July 6, 1977	15,014
Lewis F. Johnson	Evansville	44	April 14, 1933	Chester	1	Couterville	July 6, 1977	15,015
Dana J. Janv	Red Bud	26	August 8, 1950	Princeton, Ind.	6 mo.	Couterville	July 6, 1977	15,016
John E. Lemmons	Princeton, Ind.	24	December 31, 1952	Wheatland, Ind.	1	Mt. Carmel	July 7, 1977	15,017
Thomas D. Doane	Oakton, Ind.	33	August 28, 1943	Mt. Carmel	6 mo.	Mt. Carmel	July 7, 1977	15,018
Jack Ray Cox	Grayville	20	October 27, 1956	Princeton, Ind.	6 mo.	Mt. Carmel	July 7, 1977	15,019
Dallas E. Loven	Grayville	26	June 25, 1951	Mt. Carmel	1	Mt. Carmel	July 7, 1977	15,020
Thomas A. Brewer	Mt. Carmel	22	July 15, 1955	Princeton, Ind.	1	Mt. Carmel	July 7, 1977	15,021
Roy L. Roberts	Owensville, Ind.	29	December 16, 1947	Princeton, Ind.	1	Mt. Carmel	July 7, 1977	15,022
Garry G. Trusty	Patoka, Ind.	29	July 5, 1936	Princeton, Ind.	1	Mt. Carmel	July 7, 1977	15,023
William G. Gourey	Grayville	45	June 7, 1932	Huntingburg, Ind.	6 mo.	Mt. Carmel	July 7, 1977	15,024
James J. Bentley	Grayville	21	February 19, 1955	Sullivan, Ind.	1	Mt. Carmel	July 7, 1977	15,025
Carl M. Miller	Harrisburg	30	June 10, 1947	Harrisburg	1	Harrisburg	July 7, 1977	15,026
Terry L. Troutman	Marion	22	June 10, 1955	Marion	1	Harrisburg	July 8, 1977	15,027
Eugene Spencer, Jr.	Carrier Mills	51	December 6, 1925	Galatia	4	Carrier Mills	July 9, 1977	15,028
Joseph W. Yarber	Carrier Mills	46	August 24, 1930	Harrisburg	1	Carrier Mills	July 9, 1977	15,029
Stanley Bell	Carrier Mills	32	February 6, 1945	Harrisburg	1	Carrier Mills	July 9, 1977	15,030
Thomas D. Dobbs	Karbers Ridge	26	November 26, 1950	Chicago	1	Eldorado	July 11, 1977	15,031
Charles T. Wright	Harrisburg	19	May 16, 1950	Shawneetown	1	Eldorado	July 11, 1977	15,032
David A. Martin	New Shawneetown	21	September 20, 1957	Harrisburg	2	Eldorado	July 11, 1977	15,033
David Lee Teal	Stonefort	24	June 20, 1953	Eldorado	1	Marion	July 12, 1977	15,036
Richard E. Springhart	Marion	33	September 9, 1955	Harrisburg	1	Marion	July 12, 1977	15,037
Larry R. Brandon	Royalton	36	April 1, 1944	Creel Springs	1	Marion	July 12, 1977	15,038
James Martin	Herrin	33	October 29, 1940	Herrin	1	Marion	July 12, 1977	15,039
Gerald F. Hummert	St. Libory	28	June 22, 1944	Belleville	1	Marion	July 12, 1977	15,040
Charles R. Moore	Pittsburg	27	November 11, 1949	Carbondale	1	Marion	July 12, 1977	15,041
Carol L. Olinier	Sesser	29	October 1, 1925	Sesser	2	Benton	July 13, 1977	15,042
James King	West Frankfort	38	May 2, 1938	Herrin	1	Benton	July 13, 1977	15,043
John Isaacs	West Frankfort	26	July 1, 1950	Valer	1	Benton	July 13, 1977	15,044
Roger D. Loyd	Shelbournville	26	December 21, 1949	Christopher	1	Benton	July 13, 1977	15,045
Gary D. Ward	Royalton	23	October 5, 1955	Christopher	1	Benton	July 13, 1977	15,046
Bradley K. Wilson	West Frankfort	21	December 22, 1956	Benton	1	West Frankfort	July 14, 1977	15,047
Jerry D. Mandrell	West Frankfort	41	January 16, 1936	Marion	1	West Frankfort	July 14, 1977	15,048
David M. Taylor	DuQuoin	35	March 25, 1944	DuQuoin	1	DuQuoin	July 15, 1977	15,050
David M. Wayer	DuQuoin	25	November 18, 1951	St. Louis, Mo.	1	DuQuoin	July 15, 1977	15,051
Donald E. Myers	Cambria	34	January 24, 1943	Carbondale	1	DuQuoin	July 15, 1977	15,052
Paul E. Fowler	Christopher	41	December 23, 1935	Johnston City	1	DuQuoin	July 15, 1977	15,053
Roger D. Lowery	Royalton	28	Herrin	Herrin	1	DuQuoin	July 15, 1977	15,054



Harold Weisel	DuQuoin	September 16, 1956	1	DuQuoin	July 15, 1977	15,055
Michael Downen	DuQuoin	February 2, 1945	1	DuQuoin	July 15, 1977	15,056
Eddie A. Davis	DuQuoin	January 21, 1953	1	DuQuoin	August 1, 1977	15,057
Larry R. Jones	Tamara	November 5, 1945	1	DuQuoin	August 1, 1977	15,058
Casey S. Krol	Christopher	June 6, 1943	1	DuQuoin	August 1, 1977	15,059
Arnold L. Eyer	Pawnee	August 1, 1938	1	DuQuoin	August 1, 1977	15,060
Alan D. Nation	Benton	March 1, 1942	1	DuQuoin	August 1, 1977	15,061
Philip Menckowski	Carbondale	December 31, 1930	1	DuQuoin	August 1, 1977	15,062
Richard W. Henry	Sparta	October 4, 1946	1	Coutleville	August 2, 1977	15,063
Maurice Gaston, Jr.	Sparta	December 12, 1941	1	Coutleville	August 2, 1977	15,064
Allen Dale Wilson	Sparta	April 25, 1956	1	Coutleville	August 2, 1977	15,065
Jeffrey Gustley	Sparta	June 20, 1955	1	Coutleville	August 2, 1977	15,066
Allen J. Costello	Sparta	July 27, 1951	1	Coutleville	August 2, 1977	15,067
Dana L. Bayer	Percy	March 24, 1954	1	Coutleville	August 2, 1977	15,068
Gary D. Gilley	O'Fallon	September 19, 1951	1	Coutleville	August 2, 1977	15,069
Richard D. Burnann	Swanwick	October 1, 1936	1	Coutleville	August 2, 1977	15,070
David L. Miller	Bluford	September 24, 1950	1	Coutleville	August 2, 1977	15,071
Kenneth L. Lenard	West Frankfort	June 19, 1945	1	Benton	August 3, 1977	15,072
Samuel C. Williams	Pittsburg	November 26, 1946	1	Benton	August 3, 1977	15,073
Samuel C. Beasley	Benton	November 3, 1951	1	Benton	August 3, 1977	15,074
Gary W. Hoey	Benton	November 28, 1952	1	Benton	August 3, 1977	15,075
Gary A. Kraft	Benton	April 25, 1957	1	Benton	August 3, 1977	15,076
Walker N. Slone	Galatia	April 25, 1942	1	Benton	August 3, 1977	15,077
Thomas E. Ellis	Dix	August 2, 1953	1	Benton	August 3, 1977	15,078
Kerth A. Taylor	West Frankfort	January 17, 1950	1	Benton	August 3, 1977	15,079
Wendell E. Darnell	Sesser	December 7, 1956	1	Benton	August 3, 1977	15,080
Marshall D. Towel	Johnston City	May 1, 1939	1	Benton	August 3, 1977	15,081
Timothy R. Miskelley	Marion	December 21, 1933	1	Benton	August 3, 1977	15,082
George Alan Weed	Benton	February 23, 1936	1	Benton	August 3, 1977	15,083
Gary A. Zimmerman	DuQuoin	August 6, 1946	4	Benton	August 3, 1977	15,084
Samuel E. Davis	DuQuoin	March 2, 1942	1	Benton	August 3, 1977	15,085
David L. Freeman	West Frankfort	March 2, 1939	1	Benton	August 3, 1977	15,086
Larry W. Ogden	DuBois	January 25, 1947	1	Benton	August 3, 1977	15,087
Lewis E. Dodd	West Frankfort	April 8, 1943	1	Benton	August 3, 1977	15,088
William D. Tanner	West Frankfort	December 23, 1946	1	Benton	August 3, 1977	15,089
James P. Moroni	Benton	April 19, 1947	1	Benton	August 3, 1977	15,090
Patrick J. Peterson	Benton	December 3, 1951	1	Benton	August 3, 1977	15,091
Wm. Ned Wymer	Mt. Vernon	February 3, 1952	1	Benton	August 3, 1977	15,092
Jerry A. Kenner	Benton	July 8, 1955	1	Benton	August 3, 1977	15,093
Kenneth Layne	Johnston City	September 2, 1950	1	Johnston City	August 4, 1977	15,094
Billy K. Cadle	Marion	January 6, 1930	3	Johnston City	August 4, 1977	15,095
Henry H. Hendon	Marion	April 19, 1944	1	Johnston City	August 4, 1977	15,096
Charles L. Fletcher	Johnston City	September 18, 1926	1	Johnston City	August 4, 1977	15,097
Sharon L. Fletcher	Tamara	September 12, 1943	4	Johnston City	August 4, 1977	15,098
Garland L. Strait	Marion	March 4, 1944	1	Johnston City	August 4, 1977	15,099
Larry D. Shupe	Johnston City	August 16, 1938	1	Johnston City	August 4, 1977	15,100
James McCann	West Frankfort	March 25, 1940	1	Johnston City	August 4, 1977	15,101
William E. Swan	Orient	July 22, 1921	1	Johnston City	August 4, 1977	15,102
Stephen P. McLaughlin	Royalton	October 20, 1945	1	Johnston City	August 4, 1977	15,103
Billy D. Stevens	Johnston City	June 25, 1948	1	Johnston City	August 4, 1977	15,104
Shirley A. Beaver	Johnston City	September 6, 1939	1	Johnston City	August 4, 1977	15,105
Jerry Dean Smille	Johnston City	October 15, 1935	1	Johnston City	August 4, 1977	15,106
	Royalton	June 24, 1954	1	Johnston City	August 4, 1977	15,107
			1	Johnston City	August 4, 1977	15,108

## CERTIFICATES ISSUED BY MINERS' EXAMINING BOARD—FIRST CLASS—1977

Name of applicant	Post Office address	Age	Date of birth	Birthplace	Years Exp.	Place of examination	Date of examination	Cert. No.
Carl E. Wolfe	West Frankfort	27	October 28, 1949	Christopher	1	Johnston City	August 4, 1977	15,109
Nathan W. Hopkins	Benton	21	July 3, 1956	Benton	1	Johnston City	August 4, 1977	15,110
Danny R. Clark	Ziegler	20	July 23, 1957	Herrin	1	Johnston City	August 4, 1977	15,111
Larry D. Phipps	Johnston City	39	February 19, 1938	Johnston City	1	Johnston City	August 4, 1977	15,112
Michael G. Smith	Royalton	31	June 17, 1946	Gary, Ind.	1	Johnston City	August 4, 1977	15,113
Dan L. Jennings	Whittington	28	March 8, 1949	St. Elmo	1	Johnston City	August 4, 1977	15,114
Richard Geer	Johnston City	29	July 30, 1948	Johnston City	1	Johnston City	August 4, 1977	15,115
Earl Meadows	Taylorville	29	December 21, 1947	Dixon	1	Taylorville	August 5, 1977	15,116
Robert A. Argo	Taylorville	25	December 24, 1951	Taylorville	1	Taylorville	August 5, 1977	15,117
Gary W. Smothers	Taylorville	40	August 9, 1936	Taylorville	1	Taylorville	August 5, 1977	15,118
John Kinder	Edinburg	26	May 13, 1951	Taylorville	1	Taylorville	August 5, 1977	15,119
James Randall Boulton	Chatham	22	February 24, 1952	Salt Lake City, Utah	6 mo.	Taylorville	August 5, 1977	15,120
John S. Murrick	Auburn	22	October 7, 1954	Christopher	9 mo.	Taylorville	August 5, 1977	15,121
William Buschon	Taylorville	27	September 26, 1949	Herrin	1	Taylorville	August 5, 1977	15,122
Pietro A. Beccelli	Tovey	18	June 6, 1949	Taylorville	1	Taylorville	August 5, 1977	15,123
Norman Mansfield, Jr.	Hillsboro	27	November 13, 1957	Hillsboro	1	Taylorville	August 5, 1977	15,124
Allen W. Newworth	Springfield	26	May 13, 1955	Hillsboro	1	Taylorville	August 5, 1977	15,125
John R. Clifton	Springfield	24	May 13, 1955	Litchfield	1	Taylorville	August 5, 1977	15,126
Ronald K. Woodard	Coffeen	20	January 7, 1952	Litchfield	1	Taylorville	August 5, 1977	15,127
Donald G. Brown	Kincaid	31	August 18, 1945	Sullivan, Ind.	1	Taylorville	August 5, 1977	15,128
James P. M. Corbett	Kincaid	20	March 17, 1957	Springfield	1	Taylorville	August 5, 1977	15,129
Michael D. Durbin	Taylorville	26	May 26, 1951	Litchfield	1	Taylorville	August 5, 1977	15,130
Jerry D. Taylor	Morrisville	37	August 15, 1939	Taylorville	1	Taylorville	August 5, 1977	15,131
John Staber	Springfield	23	December 29, 1953	Springfield	1	Taylorville	August 5, 1977	15,132
David A. Schwab	Mt. Olive	21	January 28, 1956	Hillsboro	1	Springfield	August 5, 1977	15,133
Brad W. Voyles	Hillsboro	23	July 27, 1954	Hillsboro	1	Springfield	August 5, 1977	15,134
Stephen E. Willis	West Frankfort	24	March 13, 1953	Herrin	1	Springfield	August 5, 1977	15,135
Frank A. Bates	Carlinville	19	February 19, 1958	Carlinville	1	Springfield	August 5, 1977	15,136
Gary L. Hogan	Atwater	23	January 30, 1954	Springfield	1	Springfield	August 5, 1977	15,137
Virgil L. Earnest	Donnellson	28	June 14, 1949	Willard, Mo.	1	Springfield	August 5, 1977	15,138
Thomas J. Tomlin, Jr.	Springfield	25	November 30, 1951	Springfield	1	Springfield	August 5, 1977	15,139
Kenneth W. Price	Carlinville	28	November 21, 1948	Litchfield	1	Springfield	August 5, 1977	15,140
Stewart J. Wilson	Gillespie	26	June 23, 1946	Boston, Mass.	1	Springfield	August 5, 1977	15,141
Samuel J. Connors	Springfield	26	May 23, 1951	Carlinville	1	Springfield	August 5, 1977	15,142
Samuel J. Connors	Springfield	36	July 11, 1941	Litchfield	1	Springfield	August 5, 1977	15,143
Harvey Hand	Litchfield	39	February 15, 1938	West Frankfort	1	Springfield	August 5, 1977	15,144
John W. Hardin	Carlinville	21	February 9, 1956	Carlinville	1	Springfield	August 5, 1977	15,145
James Perino	Carlinville	20	February 28, 1956	Carlinville	1	Springfield	August 5, 1977	15,146
Timothy B. Simpson	Carlinville	23	January 8, 1949	Bloomington	1	Springfield	August 5, 1977	15,147
Victor L. Hatfield	Roxana	28	January 8, 1949	Alton	1	Springfield	August 5, 1977	15,148
Murel Sanders	Nokomis	40	October 9, 1936	Nokomis	1	Springfield	August 5, 1977	15,149
Dan M. McCarthy	Bened	22	May 29, 1955	St. Louis, Mo.	1	Springfield	August 5, 1977	15,150
William L. Allen	Virden	32	June 18, 1945	Springfield	1	Springfield	August 5, 1977	15,151
Roy Burris	Nokomis	39	December 4, 1947	St. Louis, Mo.	1	Springfield	August 5, 1977	15,152
Donald Lee Neighbors	Virden	20	January 13, 1957	Springfield	1	Springfield	August 5, 1977	15,153

Harry J. LaRosa	Gillespie	April 12, 1947	St. Louis, Mo.	1	Springfield	August 5, 1977	15,155
A. Kenneth Fritzsche, Jr.	Springfield	December 15, 1950	Litchfield	1	Springfield	August 5, 1977	15,156
Dwight P. Wagahoff	Taylorville	August 8, 1953	Taylorville	1	Springfield	August 5, 1977	15,157
Michael L. Butler	Grand	November 21, 1955	Springfield	1	Springfield	August 5, 1977	15,158
Scott Brady	Gillespie	June 26, 1950	Scott A F B	1	Springfield	August 5, 1977	15,159
Dwight K. Yarus	Auburn	April 30, 1954	Springfield	1	Springfield	August 6, 1977	15,160
Michael E. Allen	Carner Mills	May 20, 1939	Peoria	1	Carner Mills	August 6, 1977	15,161
Michael E. Hancock	Pawnee	November 29, 1949	Tucson, Ariz.	1	Carner Mills	August 6, 1977	15,162
Marlow R. Ewell	Harrisburg	February 6, 1928	Harrisburg	1	Carner Mills	August 6, 1977	15,163
Don D. Gee	Harrisburg	August 14, 1945	Marion	1	Carner Mills	August 6, 1977	15,164
Larry Summery	Harleston	September 1, 1951	Benton	1	Tuscola	August 8, 1977	15,165
G. E. G. G.	Harleston	September 26, 1948	Tuscola	4	Tuscola	August 8, 1977	15,166
Charles E. Dowdy	Dierker	November 30, 1954	Panola	4	Tuscola	August 8, 1977	15,167
Hilary F. Busby	Harrisburg	March 7, 1944	Gilbertown, Ala.	1	Eldorado	August 9, 1977	15,168
VOID							
William Boies	Herrin	September 21, 1950	Herrin	1	Herrin	August 10, 1977	15,169
Bobby Shelton	Herrin	June 25, 1956	So. Bridge, Mass.	1	Herrin	August 10, 1977	15,170
Water L. Upchurch	Herrin	May 7, 1926	Blairsville	2	Herrin	August 10, 1977	15,171
Michael R. Franklin	Ewing	May 16, 1946	Benton	1	Herrin	August 10, 1977	15,172
Terrill W. Hamlin	Herrin	April 4, 1943	VanCouver, Wash.	1	Herrin	August 10, 1977	15,173
Chris Nekes	Hillsboro	May 21, 1954	Taylorville	1	Herrin	August 10, 1977	15,174
Garry Allen	Marion	September 3, 1944	Seattle, Wash.	1	Herrin	August 10, 1977	15,175
Nora E. Whitower	Marion	September 23, 1951	Marion	1	Herrin	August 10, 1977	15,176
W. E. R. R.	Frankfort	November 1, 1947	Herrin	1	Herrin	August 10, 1977	15,177
Robert S. McCree	Herrin	May 4, 1954	Herrin	1	Herrin	August 10, 1977	15,178
Jimm D. South	Herrin	November 27, 1955	Herrin	1	Herrin	August 10, 1977	15,179
Scott Mitchell	Benton	August 31, 1950	Iron Mountain, Mich.	1	Herrin	August 10, 1977	15,180
Willie J. Huddison	Marion	October 10, 1939	Columbus, Miss.	1	Mt. Carmel	August 11, 1977	15,181
Charles Noland	Bicknell, Ind.	July 7, 1930	Vincennes, Ind.	1	Mt. Carmel	August 11, 1977	15,182
Jack McMinn	Princeton, Ind.	October 14, 1953	McKeesport, Penn.	1	Mt. Carmel	August 11, 1977	15,183
Brooks, A. Boger	Petersburg, Ind.	December 8, 1939	Petersburg, Ind.	1	Mt. Carmel	August 11, 1977	15,184
Mark W. Grindle	Hymera, Ind.	December 8, 1952	Milan, Mich.	1	Mt. Carmel	August 11, 1977	15,185
James R. Dill	Mt. Carmel	June 3, 1950	Mt. Carmel	1	Mt. Carmel	August 11, 1977	15,186
David R. Jones	Raleigh	September 30, 1955	Eldorado	1	Mt. Carmel	August 11, 1977	15,187
David L. Scoble	DeSoto	September 13, 1956	DeSoto	1	Harrisburg	August 12, 1977	15,188
Charles D. Horn	DeSoto	November 12, 1949	DeSoto	1	Harrisburg	August 12, 1977	15,189
Wade Lemons	Sesser	July 19, 1948	Scheller	1	DuQuoin	September 1, 1977	15,190
Thomas P. Fisher	Tamaroa	August 20, 1957	DuQuoin	1	DuQuoin	September 1, 1977	15,191
Darrell W. Holland	Christopher	January 5, 1956	Christopher	1	DuQuoin	September 1, 1977	15,192
Larry D. Zimmerman	Murphysboro	July 12, 1953	Murphysboro	1	DuQuoin	September 1, 1977	15,193
Mark Kane	Coutville	May 14, 1955	St. Louis, Mo.	1	DuQuoin	September 1, 1977	15,194
Oscar Sanders	DuQuoin	October 12, 1946	Anna	1	Coutville	September 2, 1977	15,195
Mark A. Reeves	Nashville	October 14, 1947	Belleville	1	Coutville	September 2, 1977	15,196
Paul Hunziker	Murphysboro	July 31, 1942	Murphysboro	1	Coutville	September 2, 1977	15,197
Philip R. Mitchell	Mercury	November 3, 1953	Belleville	1	Coutville	September 2, 1977	15,198
Philip R. Mitchell	Gilbertown	May 31, 1942	Belleville	1	Coutville	September 2, 1977	15,199
Malvin W. Kurtz	Nashville	August 24, 1942	DuQuoin	1	Coutville	September 2, 1977	15,200
Kevin D. Gmber	Coutville	September 27, 1955	DeSoto	1	Coutville	September 2, 1977	15,201
Randy Klausung	Spaia	June 23, 1955	Redbud	1	Coutville	September 2, 1977	15,202
Robert L. Hunziker	Murphysboro	July 2, 1947	Murphysboro	1	Coutville	September 2, 1977	15,203
Thomas Pigford	Spaia	April 16, 1958	Spaia	1	Coutville	September 2, 1977	15,204
Mark Sapp	Ava	March 27, 1952	Springfield	1	Coutville	September 2, 1977	15,205
William H. Stroud	Pittsburg	December 3, 1952	Herrin	1	Zeigler	September 3, 1977	15,206
							15,207
							15,208

# CERTIFICATES ISSUED BY MINERS' EXAMINING BOARD — FIRST CLASS — 1977

Name of applicant	Post Office address	Age	Date of birth	Birthplace	Years Exp.	Place of examination	Date of examination	Cert. No.
Terry E. Allen	West Frankfort	20	November 25, 1956	Herrin	1	Zeigler	September 3, 1977	15,209
Lee E. Thomas, Jr.	Carbondale	31	August 5, 1946	Greenwood, Miss.	1	Zeigler	September 3, 1977	15,210
Jeffrey L. Deason	West Frankfort	26	February 10, 1956	Pontiac, Mich.	1	Zeigler	September 3, 1977	15,211
Louis Maldonado	Zeigler	21	November 20, 1940	Puerto Rico	1	Zeigler	September 3, 1977	15,212
Russell R. Johnson	Tuscola	25	March 3, 1956	Herrin	1	Zeigler	September 3, 1977	15,213
Harvey R. Johnson	Zeigler	25	March 16, 1956	Benton	1	Zeigler	September 3, 1977	15,214
Harvey M. Keller	Newman	56	January 19, 1921	Indianapolis, Ind.	1	Zeigler	September 3, 1977	15,215
Andrew J. Falls	West Terre Haute, Ind.	20	January 13, 1957	Eldorado	1	Tuscola	September 6, 1977	15,216
Michael R. Spurr	Newman	20	July 19, 1957	Clinton, Ind.	1	Tuscola	September 6, 1977	15,217
Glen R. Hawkins	Tuscola	19	September 13, 1957	Tuscola	1	Tuscola	September 6, 1977	15,218
Donald G. Eblin	Benton	37	July 5, 1940	Jewett, Ohio	4	Sesser	September 7, 1977	15,219
Richard R. Clark	Benton	48	March 12, 1929	Benton	1	Sesser	September 7, 1977	15,220
George Schram	Marion	36	December 13, 1940	West Frankfort	1	Sesser	September 7, 1977	15,221
Frances F. Smith	Bluford	23	January 7, 1954	Mt. Vernon	1	Sesser	September 7, 1977	15,222
Sam A. Henry	Broughton	45	December 10, 1931	Livinston, Tenn.	1	Sesser	September 7, 1977	15,223
Ruby M. Pryor	Royaltown	33	November 11, 1943	DuQuoin	1	Sesser	September 7, 1977	15,224
James L. Cook	Waltonville	29	January 2, 1948	Longbeach, Calif.	1	Sesser	September 7, 1977	15,225
Mary E. Johnson	DuQuoin	21	September 30, 1955	DuQuoin	1	Sesser	September 7, 1977	15,226
Robert S. Enling	Marissa	20	April 10, 1957	Red Bud	1	Sesser	September 7, 1977	15,227
James D. Lloyd	Waltonville	26	October 24, 1940	Joliet	1	Sesser	September 7, 1977	15,228
John Schmitt	Mt. Vernon	24	April 13, 1953	Joliet	1	Sesser	September 7, 1977	15,229
Susan E. Ledwidge	Mt. Vernon	23	April 3, 1954	Wason City, Iowa	1	Sesser	September 7, 1977	15,230
Randy J. Edwards	Mt. Vernon	24	April 18, 1954	Christopher	1	Sesser	September 7, 1977	15,231
Patricia S. Martin	Mt. Vernon	33	December 4, 1942	Mt. Vernon	1	Sesser	September 7, 1977	15,232
VOID								15,233
Daniel E. Halliday	Akin	26	February 12, 1951	Pontiac, Mich.	1	Eldorado	September 8, 1977	15,234
Greg A. Gidcomb	Harrisburg	25	July 13, 1952	Harrisburg	1	Eldorado	September 8, 1977	15,235
Marion R. Keys	Benton	25	April 23, 1952	Christopher	2	Eldorado	September 8, 1977	15,236
Terry A. Liebscher	Hillsboro	21	April 8, 1956	Hillsboro	1	Eldorado	September 8, 1977	15,237
Richard O. Theel	Grand	27	July 3, 1950	Rochester, Minn.	1	Carlinville	September 9, 1977	15,238
Thomas L. Murry, Sr.	Butler	34	December 2, 1942	Brownstown	1	Carlinville	September 9, 1977	15,239
Zane K. Dudley	Stanton	26	May 9, 1951	Stanton	1	Carlinville	September 9, 1977	15,240
Ronald M. Heigert	Stanton	24	November 14, 1952	Stanton	1	Carlinville	September 9, 1977	15,241
Michael S. Compton	Hillsboro	20	October 21, 1956	Japan	1	Carlinville	September 9, 1977	15,242
James Rotarek	Varden	24	January 2, 1953	Springfield	1	Carlinville	September 9, 1977	15,243
Darrel W. Mansfield	Carlinville	33	September 29, 1943	Litchfield	1	Carlinville	September 9, 1977	15,244
Ted L. Patton	Carlinville	36	June 27, 1941	Carlinville	1	Carlinville	September 9, 1977	15,245
Eric Owe	Carlinville	38	November 17, 1938	Stanton	1	Carlinville	September 9, 1977	15,246
Craig S. Allen	Carlinville	20	April 6, 1957	Litchfield	1	Carlinville	September 9, 1977	15,247
David S. Morgan	Plainsville	23	November 7, 1954	Stanton	1	Carlinville	September 9, 1977	15,248
Donald E. Stewart	Gillespie	22	November 27, 1954	Litchfield	1	Carlinville	September 9, 1977	15,249
Gene M. Carpani	Gillespie	21	August 5, 1956	Litchfield	1	Carlinville	September 9, 1977	15,250
Gary Padavic	Divernon	24	July 2, 1953	David, Ky.	1	Carlinville	September 9, 1977	15,251
Raymond Lewis	Grand	26	October 22, 1950	Springfield	1	Carlinville	September 9, 1977	15,252
Laverne Taylor	Iving	40	September 14, 1936	Iving	1	Carlinville	September 9, 1977	15,253
								15,254

Richard L. Cravens	20	May 4, 1957	Hillsboro	1	Carlinville	September 9, 1977	15,255
John C. Chapplear	23	October 1, 1953	Hillsboro	1	Carlinville	September 9, 1977	15,256
Jaunita Young	40	November 1, 1936	Litchfield	1	Carlinville	September 9, 1977	15,257
Diana Woodard	21	May 30, 1956	Shelbyville	1	Carlinville	September 9, 1977	15,258
Fred J. Schwappach	26	October 25, 1950	Litchfield	1	Carlinville	September 9, 1977	15,259
John P. Buscher	25	August 25, 1950	Litchfield	1	Carlinville	September 9, 1977	15,260
Michael A. Stevens	26	July 9, 1952	Valley Park, Mo.	1	Carlinville	September 9, 1977	15,261
Ernest L. Howard	25	November 6, 1952	Hillsboro	1	Carlinville	September 9, 1977	15,262
Warren L. Fogle	24	September 13, 1948	Litchfield	3	Carlinville	September 9, 1977	15,263
Herman Edward Gilley	28	April 8, 1952	Benham, Ky.	1	Carlinville	September 9, 1977	15,264
Ernestine R. Gerdanc	46	March 15, 1931	Lenox, Mo.	1	Springfield	September 9, 1977	15,265
John Benjamin	21	November 22, 1950	Jacksonville	1	Springfield	September 9, 1977	15,266
Dorothy E. Gerdanc	22	March 16, 1951	Springfield	1	Springfield	September 9, 1977	15,267
Kirk Steadry	19	May 22, 1958	Litchfield	1	Springfield	September 9, 1977	15,268
Vergil N. Jonas	30	March 3, 1947	Litchfield	1	Taylorville	September 10, 1977	15,269
Byron E. Bell	25	April 28, 1952	West Worruck, R.I.	1	Taylorville	September 10, 1977	15,270
Greg Mahan	25	September 29, 1951	Taylorville	1	Taylorville	September 10, 1977	15,271
Michael Saxson	23	June 28, 1954	Springfield	1	Taylorville	September 10, 1977	15,272
Lanny L. Sumner	27	March 27, 1950	Carrier Mills	1	Harrisburg	September 12, 1977	15,273
Robert E. Jones	45	September 24, 1931	Marion Co.	1	Harrisburg	September 12, 1977	15,274
Edward A. Williams	23	June 16, 1954	Harrisburg	1	Harrisburg	September 12, 1977	15,275
James K. Milburn	29	December 9, 1947	Harrisburg	1	Harrisburg	September 12, 1977	15,276
Larry D. Shaw	38	December 6, 1938	Williamson Co.	1	Marion	September 13, 1977	15,277
Robert Davis	33	March 10, 1944	Johnston City	1	Marion	September 13, 1977	15,278
Victor E. Norrison	47	April 10, 1945	Benton	1	Marion	September 13, 1977	15,279
James E. Norrison	47	October 25, 1939	Herrin, Ill.	1	Marion	September 13, 1977	15,280
Danny L. Boone	24	April 16, 1953	Herrin, Ill.	1	Marion	September 13, 1977	15,281
Bob L. Mann	47	December 20, 1929	West Frankfort	1	Marion	September 13, 1977	15,282
Marion	43	April 16, 1924	Herrin	1	Marion	September 13, 1977	15,283
Leo Adrian Whitehead	28	February 7, 1949	Herrin	1	Marion	September 13, 1977	15,284
John M. Gabby	27	March 15, 1950	Vincennes, Ind.	1	Marion	September 13, 1977	15,285
VOID							
Parvin E. Koker	37	March 10, 1940	Uniontown, Ky.	3	Marion	September 13, 1977	15,286
William Burns	42	March 30, 1935	Valer	1	Marion	September 13, 1977	15,287
Keith H. Volett	24	June 17, 1953	Marion	1	Benton	September 13, 1977	15,288
Cydeell L. Williams	22	June 15, 1947	Johnston City	1	Benton	September 14, 1977	15,289
Georgian E. Homan	32	May 28, 1955	Japan	1	Benton	September 14, 1977	15,290
William E. Homan	32	May 28, 1955	St. Louis, Mo.	1	Benton	September 14, 1977	15,291
Michael H. Curry	21	October 9, 1955	Bloomington	1	Benton	September 14, 1977	15,292
Stephen Tarter	21	July 17, 1957	Pana	1	Benton	September 14, 1977	15,293
West Frankfort	23	November 15, 1953	Herrin	1	Benton	September 14, 1977	15,294
Stanley T. Serati	20	July 6, 1953	Evansville, Ind.	1	Benton	September 14, 1977	15,295
Randy L. Conner	24	February 15, 1953	Mt. Clemens, Mich.	1	Benton	September 14, 1977	15,296
Vernon Webb	24	February 15, 1953	Kansas City, Mo.	1	Benton	September 14, 1977	15,297
Mike O. Hammonds	23	July 26, 1954	West Frankfort	1	Benton	September 14, 1977	15,298
Buckner	33	July 18, 1944	Benton	1	Benton	September 14, 1977	15,299
James H. Williams	23	September 14, 1952	Benton	1	Benton	September 14, 1977	15,300
Jack W. Davis	25	June 6, 1941	Mt. Vernon	1	Benton	September 14, 1977	15,301
Robert E. Rollins	36	August 7, 1943	Herrin	1	Benton	September 14, 1977	15,302
Jerry Campbell	34	July 24, 1946	Mt. Vernon	1	Benton	September 14, 1977	15,303
William E. Hayes	29	July 24, 1946	Mt. Vernon	1	Benton	September 14, 1977	15,304
Richard A. Snyder	21	December 31, 1955	Christopher	1	Benton	September 14, 1977	15,305
West Frankfort	27	August 9, 1950	Herrin	1	Benton	September 14, 1977	15,306
Benton	27	August 9, 1950	Herrin	1	Benton	September 14, 1977	15,307
Ralph H. Harkins, Jr	25	October 16, 1951	Herrin	1	Benton	September 14, 1977	15,308
Steve D. Gacoma	38	November 16, 1938	Herrin	1	Benton	September 14, 1977	15,309
DeMar L. Frasier							

# CERTIFICATES ISSUED BY MINERS' EXAMINING BOARD — FIRST CLASS — 1977

Name of applicant	Post Office address	Age	Date of birth	Birthplace	Years Exp.	Place of examination	Date of examination	Cert No.
Kenneth Hergis	West Frankfort	20	June 24, 1957	Christopher	1	Benton	September 14, 1977	15,309
Mary Sellers	Herrin	23	September 15, 1953	Bellefonte	1	Benton	September 14, 1977	15,310
Sam Tysko	Hillsboro	20	May 31, 1957	Peoria	1	Tuscola	October 1, 1977	15,311
Wilbur Moody, Jr.	Georgetown	20	April 29, 1957	Danville	1	Tuscola	October 1, 1977	15,312
Larry Edgcombe	Nokomis	24	December 19, 1952	Danville	1	Tuscola	October 1, 1977	15,313
Alan Shoemaker	Clinton	22	September 12, 1955	Lafayette, Ind.	1	Tuscola	October 1, 1977	15,314
James M. Shoemaker	Clinton	20	August 19, 1956	Lafayette, Ind.	1	Tuscola	October 1, 1977	15,315
Imothy Houser	West Terre Haute, Ind.	21	October 19, 1955	Lyons, Mo.	1	Tuscola	October 1, 1977	15,316
Michael Jones	Logansport	20	December 10, 1955	Chaparral, Calif.	1	Tuscola	October 1, 1977	15,317
Paul Schmidt	Georgetown	27	June 1, 1950	Chaparral, Calif.	1	Tuscola	October 1, 1977	15,318
Michael P. Barr	Philo	19	October 24, 1957	Danville	1	Tuscola	October 1, 1977	15,319
Walter W. Gumm	Pana	28	June 22, 1949	Pana	1	Tuscola	October 1, 1977	15,320
Dennis A. Funk	Georgetown	31	July 22, 1946	Paris	1	Tuscola	October 1, 1977	15,321
Jeffrey Allen Ward	Terre Haute, Ind.	27	August 25, 1950	Terre Haute, Ind.	1	Tuscola	October 1, 1977	15,322
Wallace Dale Poynter	Shelburn, Ind.	19	December 24, 1957	Sullivan, Ind.	1	Tuscola	October 1, 1977	15,323
Robert E. Ochsner	Villa Grove	22	January 13, 1955	Tuscola	1	Tuscola	October 1, 1977	15,324
David P. Thomas	Bellefonte	24	May 19, 1953	Eureka, S. D.	2	Couterville	October 3, 1977	15,325
Donald J. Bieker	Freeburg	22	June 1, 1955	E. St. Louis	1	Couterville	October 3, 1977	15,326
James H. Jungel	Mascoutah	21	March 2, 1956	Bellefonte	1	Couterville	October 3, 1977	15,327
John A. Yuengst, Sr.	New Athens	23	September 8, 1954	Red Bud	1	Couterville	October 3, 1977	15,328
Curtis J. Dunbar	Bellefonte	30	April 13, 1947	Bellefonte	1	Couterville	October 3, 1977	15,329
Marvin E. Sizemore	O'Fallon	25	November 10, 1951	Bellefonte	1	Couterville	October 3, 1977	15,330
Ronald G. Kreid	DuQuoin	21	January 1, 1956	DuQuoin	1	DuQuoin	October 4, 1977	15,331
Frank Campanella	Ekville	25	July 6, 1952	DuQuoin	1	DuQuoin	October 4, 1977	15,332
Harry P. Vencil	DuQuoin	24	July 9, 1958	Willsville	1	DuQuoin	October 4, 1977	15,333
Thomas D. Vail	DuQuoin	22	July 2, 1953	DuQuoin	1	DuQuoin	October 4, 1977	15,334
Ronald D. VanWalsen	DeSoto	24	February 27, 1955	DuQuoin	6 mo.	DuQuoin	October 4, 1977	15,335
Kenneth C. Brown	Hillsboro	26	September 5, 1951	Columbus, Ohio	2	DuQuoin	October 4, 1977	15,336
Barrett C. Hargrave	Harrisburg	29	November 30, 1948	Joliet	3	DuQuoin	October 4, 1977	15,337
John M. Coleman	Johnston City	41	June 26, 1936	Harrisburg	3 1/2	Benton	October 5, 1977	15,338
Matthew G. Elliott	Benton	23	January 26, 1954	Herrin	4 1/2	Benton	October 5, 1977	15,339
Steve E. Oile	West Frankfort	23	May 30, 1954	Rend City	1	Benton	October 5, 1977	15,340
Boyd L. Hampton	Freeman Spur	35	February 18, 1942	St. Louis, Mo.	1	Benton	October 5, 1977	15,341
Frederick E. Boester	Marion	28	February 18, 1949	Lynch, Ky.	1	Benton	October 5, 1977	15,342
Ronald E. Allsopp	Herrin	38	March 31, 1939	Carbondale	1	Benton	October 5, 1977	15,343
Pat L. Samples	Carverville	25	April 27, 1952	Herrin	1	Herrin	October 6, 1977	15,344
Paul W. Davis	Herrin	39	December 25, 1937	Carbondale	1	Herrin	October 6, 1977	15,345
William L. Masters	Herrin	41	August 18, 1936	Herrin	1	Herrin	October 6, 1977	15,346
Michael W. Smith	Johnston City	20	November 14, 1956	Bush	1	Herrin	October 6, 1977	15,347
Don E. Flint	Christopher	20	January 17, 1957	Prescott, Ariz.	1	Herrin	October 6, 1977	15,348
William R. Lewis	Marion	24	January 16, 1953	DuQuoin	1	Herrin	October 6, 1977	15,349
Margaret J. Hall	Marion	24	February 26, 1953	Carbondale	1	Herrin	October 6, 1977	15,350
Raymond F. Gallo, Jr.	Benton	24	February 26, 1953	Carbondale	1	Herrin	October 6, 1977	15,351
Erni W. Brinkman	Pana	24	September 28, 1952	Unionville	1	Herrin	October 6, 1977	15,352
				Eugene, Ore.	1	Viridian	October 7, 1977	15,353
								15,354

Terry G. Allan	21	October 23, 1955	Litchfield	1	Virđen	October 7, 1977	15,355
Kevin Mihalic	19	July 13, 1958	Litchfield	1	Virđen	October 7, 1977	15,356
Robert N. Hubert	22	April 26, 1955	Litchfield	1	Virđen	October 7, 1977	15,357
Mark Zanotti	20	April 19, 1957	Taylorville	1	Virđen	October 7, 1977	15,358
Kenneth A. Burke, Jr.	21	April 29, 1956	Springfield	1	Virđen	October 7, 1977	15,359
Rick W. Matthews	20	June 6, 1957	Hillsboro	1	Virđen	October 7, 1977	15,360
Richard D. Mitchem	26	December 15, 1950	Springfield	1	Virđen	October 7, 1977	15,361
Robert D. Castelli	23	December 23, 1959	Langfield	1	Virđen	October 7, 1977	15,362
Gregory D. L. Cagle	29	January 19, 1946	Litchfield	1	Virđen	October 7, 1977	15,363
Mark Harwood	24	April 19, 1963	Springfield	1	Virđen	October 7, 1977	15,364
Fredrick L. Ishmon, Jr.	35	July 30, 1954	St. Louis, Mo.	1	Virđen	October 7, 1977	15,365
John R. Rolando	32	July 18, 1945	Litchfield	1	Virđen	October 7, 1977	15,366
John R. Halpin	24	March 17, 1953	Litchfield	1	Virđen	October 7, 1977	15,367
Morrissonville	22	April 13, 1955	Onenots, N.Y.	1	Virđen	October 7, 1977	15,368
Gary D. Compton	24	November 7, 1952	Litchfield	1	Virđen	October 7, 1977	15,369
Ronald E. Kahl	31	March 18, 1946	Taylorville	2	Springfield	October 7, 1977	15,370
Norman L. German	21	December 28, 1955	Litchfield	1	Springfield	October 7, 1977	15,371
Roxie Frederick, Jr.	22	April 7, 1955	Hillsboro	1	Springfield	October 7, 1977	15,372
Gary Herpeth	25	November 1951	Springfield	1	Springfield	October 7, 1977	15,373
Glenn W. Armentrout	25	August 7, 1948	Springfield	1	Springfield	October 7, 1977	15,374
Herman T. Brown	35	August 7, 1948	Springfield	1	Springfield	October 7, 1977	15,375
Raymond L. Brown	36	October 3, 1942	Springfield	1	Springfield	October 7, 1977	15,376
William D. White	19	October 19, 1940	Taylorville	1	Taylorville	October 8, 1977	15,377
Garry L. Mills	27	October 17, 1957	Taylorville	1	Taylorville	October 8, 1977	15,378
Nokomis	22	December 18, 1949	Pana	1	Taylorville	October 8, 1977	15,379
Richard L. Burdzilaskus	27	January 17, 1955	Springfield	1	Taylorville	October 8, 1977	15,380
Michael W. Miloncus	22	June 23, 1955	Litchfield	1	Taylorville	October 8, 1977	15,381
Ricky Crawford	20	May 12, 1957	Taylorville	1	Taylorville	October 8, 1977	15,382
Morrissonville	26	August 12, 1951	Taylorville	1	Taylorville	October 8, 1977	15,383
Stephen J. Kocurek	19	November 18, 1957	Pinkneyville	1	Taylorville	October 8, 1977	15,384
David Schwartzkopf	27	October 24, 1948	Carlinville	1	Taylorville	October 8, 1977	15,385
Freddie Roach	20	October 22, 1956	Litchfield	1	Taylorville	October 8, 1977	15,386
Chris Zumwalt	18	June 21, 1949	Sullivan, Ind.	1	Taylorville	October 10, 1977	15,387
Randall Foutz	36	June 21, 1949	Westfield, Ind.	1	Taylorville	October 10, 1977	15,388
Robert L. Vernore	36	June 21, 1949	Westfield, Ind.	1	Mt. Carmel	October 10, 1977	15,389
Gary M. Beasell	29	January 13, 1942	Prairie, Ind.	1	Mt. Carmel	October 10, 1977	15,390
Agnes E. Cravis	26	October 13, 1948	Hopkissville, Ky.	1	Mt. Carmel	October 10, 1977	15,391
Kale W. Clardy	20	October 27, 1950	Prairie, Ind.	2 1/2	Mt. Carmel	October 10, 1977	15,392
Gary W. Jones	20	October 11, 1956	Prairie, Ind.	10 mo.	Mt. Carmel	October 10, 1977	15,393
Anthony R. Hayes	25	October 6, 1957	Lawrenceville	1	Mt. Carmel	October 10, 1977	15,394
Kenneth L. Bateman	33	April 28, 1952	Prairie, Ind.	1	Mt. Carmel	October 10, 1977	15,395
Kerry J. Emmons	28	June 15, 1944	Prairie, Ind.	1	Mt. Carmel	October 10, 1977	15,396
Jack W. Snyder	34	October 1, 1949	Donna, Texas	1	Mt. Carmel	October 10, 1977	15,397
Vance C. Pinkston	21	March 6, 1943	Prairie, Ind.	1	Mt. Carmel	October 10, 1977	15,398
Robert H. Riggs	34	May 5, 1953	Prairie, Ind.	1	Mt. Carmel	October 10, 1977	15,399
Ricky Waddle	24	January 17, 1956	Lawrenceville	1	Mt. Carmel	October 10, 1977	15,400
Samuel W. Dudley	36	February 22, 1942	Cambridge, Ky.	1	Mt. Carmel	October 10, 1977	15,401
James S. Hord	31	February 28, 1937	Hazleton, Ind.	1	Mt. Carmel	October 10, 1977	15,402
Ronald L. Frederick	40	February 20, 1956	Sullivan, Ind.	1	Mt. Carmel	October 10, 1977	15,403
Jack L. Knew	28	December 24, 1938	Prairie, Ind.	1	Mt. Carmel	October 10, 1977	15,404
Russell W. Knew	31	March 16, 1958	Huntingburg, Ind.	1	Mt. Carmel	October 10, 1977	15,405
Jack L. Gouley	19	January 16, 1958	Huntingburg, Ind.	1	Mt. Carmel	October 10, 1977	15,406
Lennis Russell	58	December 25, 1918	Bicknell, Ind.	12	Mt. Carmel	October 10, 1977	15,407
Thomas K. Miller	32	December 25, 1918	Bicknell, Ind.	1	Mt. Carmel	October 10, 1977	15,408
Victor L. Wright	28	January 20, 1949	Evansville, Ind.	1	Mt. Carmel	October 10, 1977	15,409
Marilyn M. Peach	32	December 25, 1918	Bicknell, Ind.	1	Mt. Carmel	October 10, 1977	15,410
Donna J. Hesson	28	January 20, 1949	Evansville, Ind.	1	Mt. Carmel	October 10, 1977	15,411

CERTIFICATES ISSUED BY MINERS' EXAMINING BOARD — FIRST CLASS — 1977

Name of applicant	Post Office address	Age	Date of birth	Birthplace	Years Exp.	Place of examination	Date of examination	Cert. No.
Roddie D. Spears	Grayville	23	February 18, 1954	Christopher	1	Mr. Carmel	October 10, 1977	15,408
Kenneth R. McCulloch	Gallatin, Ind.	24	August 3, 1956	Sullivan, Ind.	1	Mr. Carmel	October 10, 1977	15,409
Paul W. Spindt	Belleville, Ind.	36	June 20, 1943	Belleville, Ind.	1	Mr. Carmel	October 10, 1977	15,410
Allen D. Workman	Princeton, Ind.	24	June 10, 1951	Princeton, Ind.	1	Mr. Carmel	October 10, 1977	15,411
Michael S. Simmons	Evansville, Ind.	25	December 7, 1951	Widen, W. Va.	1	Mr. Carmel	October 10, 1977	15,412
Minnie R. Davis	Francisco, Ind.	20	August 18, 1957	Evansville, Ind.	1	Mr. Carmel	October 10, 1977	15,413
Freddie W. Deaton	Stonfort	25	March 8, 1947	Vincennes, Ind.	1	Mr. Carmel	October 10, 1977	15,414
Stephen Allen Hambleton	Stonfort	23	December 23, 1951	Harrisburg	1	Mr. Carmel	October 10, 1977	15,415
Sherman Johnson	Sesser	27	September 21, 1954	Ozark	1	Harrisburg	October 11, 1977	15,416
Stanley Stokes	Eldorado	24	June 29, 1950	Indianapolis, Ind.	1	Harrisburg	October 11, 1977	15,417
Richard D. Maddox	Harrisburg	30	December 21, 1952	Harrisburg	1	Harrisburg	October 11, 1977	15,418
James T. Sisco	Eldorado	36	January 2, 1947	Eldorado	1	Eldorado	October 11, 1977	15,419
Randy L. Gill	Eldorado	22	August 9, 1940	Rosclaire	1	Eldorado	October 12, 1977	15,420
James C. McChert	Marion	27	July 31, 1955	Wood River	1	Eldorado	October 12, 1977	15,421
Udell Dean Emery	Marion	21	December 21, 1955	Marion	1	Marion	October 12, 1977	15,422
Clyde E. Bradley	Creel Springs	24	December 23, 1952	Carbondale	1	Marion	October 13, 1977	15,423
Richard A. Cain	Pittsburg	40	February 14, 1937	Johnson Co.	1	Marion	October 13, 1977	15,424
Kevin D. Yates	West Frankfort	29	September 25, 1948	Carbondale	1	Marion	October 13, 1977	15,425
Merle D. Dillow	Cartersville	21	April 7, 1956	Benton	1	Marion	October 13, 1977	15,426
Steve Faughn	Johnston City	24	July 16, 1953	Herrin	1	Marion	October 13, 1977	15,427
Larry D. King	Marion	32	September 21, 1945	Herrin	1	Marion	October 13, 1977	15,428
Ronald A. High	Marion	30	February 25, 1947	Carbondale	1 1/2	Marion	October 13, 1977	15,429
Gary G. Norris	Marion	38	May 10, 1947	Anna	1 1/2	Marion	October 13, 1977	15,430
William E. Smith	Marion	27	April 1, 1950	Marion	1	Marion	October 13, 1977	15,431
John G. Holm	Belleville	35	May 19, 1939	Port Gibson, Miss.	2	Marion	October 13, 1977	15,432
James E. Britt	Zeligler	34	May 28, 1953	Harkston, S. D.	1	Marion	October 13, 1977	15,433
James E. Alter	Benton	33	June 9, 1942	Jefferson Co.	2	Marion	October 13, 1977	15,434
William R. Rogers	Benton	28	April 17, 1944	Jefferson Co.	1	Marion	November 1, 1977	15,435
Mickey C. Hanks	Marion	22	November 22, 1948	Christopher	1	Marion	November 1, 1977	15,436
Elizabeth J. Thompson	Marion	39	April 4, 1955	Christopher	1	Marion	November 1, 1977	15,437
Jeffery K. Whiting	Galatia	24	November 8, 1937	Marion	1	Marion	November 1, 1977	15,438
Claude E. Barwick	Marion	24	October 1, 1953	Harrisburg	1	Marion	November 1, 1977	15,439
William D. Whitehead	Marion	31	January 28, 1953	Carbondale	1	Marion	November 1, 1977	15,440
Kevin L. Cox	Marion	22	September 30, 1946	Herrin	1	Marion	November 1, 1977	15,441
Randy J. Robertson	West Frankfort	22	August 10, 1955	Herrin	1	Marion	November 1, 1977	15,442
William B. Stankard	Herrin	22	September 15, 1955	Benton	1	Marion	November 1, 1977	15,443
Jerry E. Wilson	West Frankfort	34	February 24, 1955	Herrin	1	Marion	November 1, 1977	15,444
James M. Bright, Jr.	Sesser	26	December 22, 1956	West Frankfort	1	Marion	November 1, 1977	15,445
Robert E. Browning	West Frankfort	28	March 22, 1955	Christopher	1	Marion	November 1, 1977	15,446
Russell McClain	West Frankfort	26	May 28, 1955	Christopher	1	Marion	November 1, 1977	15,447
Gary D. Beltz	Galatia	25	November 24, 1948	West Frankfort	1	Marion	November 1, 1977	15,448
Nelson W. Holman	Benton	29	October 15, 1952	Las Vegas, Nev.	1	Marion	November 1, 1977	15,449
Ralph Parkhill	Waterloo	47	August 15, 1933	Harrisburg	1	Marion	November 1, 1977	15,450
Dennis L. Eting	Mascoutah	32	November 28, 1947	Orient	2	Marion	November 1, 1977	15,451
			November 12, 1929	Benton	1	Marion	November 1, 1977	15,452
			September 6, 1945	Belleville	1	Cullerville	November 2, 1977	15,453
						Cullerville	November 2, 1977	15,454



Randall B. Palmer	Sparta	24	December 6, 1952	Belleville	1	Couterville	November 2, 1977	15,455
Don R. Kirsner	Sparta	25	November 14, 1950	Murphysboro	1	Couterville	November 2, 1977	15,456
John K. Vandergriff	Belleville	26	November 10, 1942	Belleville, Tenn.	1	Couterville	November 2, 1977	15,457
John E. Main	Freeburg	30	August 26, 1939	New Canton	1	Couterville	November 2, 1977	15,458
Ralph Schaller	Freeburg	38	June 13, 1947	Belleville	1	Couterville	November 2, 1977	15,459
Terry M. McCoy	Farview Hgts.	25	April 15, 1953	E. St. Louis	1	Couterville	November 2, 1977	15,460
John Curtis Goodman	O'Fallon	24	June 25, 1952	Denver, Colo.	1	Couterville	November 2, 1977	15,461
Judith L. Williams	Freeburg	36	August 13, 1941	Red Bud	1	Couterville	November 2, 1977	15,462
John M. Runge	Evansville, Ind.	19	December 22, 1957	St. Louis, Mo.	1	Couterville	November 2, 1977	15,463
Frank M. Adams	Collinsville	39	August 7, 1938	Belleville	1	Couterville	November 2, 1977	15,464
Donna M. Chase	Mascoutah	31	September 20, 1946	Mt. Vernon	2	Couterville	November 2, 1977	15,465
Kenneth M. Simmons	Swansea	37	August 31, 1940	Elsinore, Mo.	2	Couterville	November 2, 1977	15,466
Florida J. Blau	Evansville	28	November 23, 1948	Red Bud	1	Couterville	November 2, 1977	15,467
David H. Hevey	Rockville	32	August 1, 1977	Princetonville	1	Couterville	November 2, 1977	15,468
Philip M. Rainhardt	St. Charles	29	November 10, 1947	Springfield	1	Couterville	November 2, 1977	15,469
Don L. Howie	Evansville	28	July 28, 1949	Springfield	1	Couterville	November 2, 1977	15,470
John D. Ott	Smithton	20	March 24, 1957	Red Bud	1	Couterville	November 2, 1977	15,471
John D. Jeffers	Belleville	26	January 4, 1951	Belleville	1	Couterville	November 2, 1977	15,472
Jack W. Moore	Sparta	21	December 15, 1955	Red Bud	1	Couterville	November 2, 1977	15,473
Ron Chandler	Sparta	22	June 17, 1955	Red Bud	1	Couterville	November 2, 1977	15,474
Bruce D. Shurtz	Tilden	21	February 10, 1957	Red Bud	1	Couterville	November 2, 1977	15,475
Michael C. Stukenberg	Sesser	21	December 22, 1955	Corpus Christi, Texas	1	Couterville	November 2, 1977	15,476
Vernell E. Albert	Marissa	26	February 15, 1957	Red Bud	1	Couterville	November 2, 1977	15,477
Rick L. Robertson	Mascoutah	20	January 17, 1951	St. Louis, Mo.	1	Couterville	November 2, 1977	15,478
Rogee D. Bowlin	Freeburg	23	August 11, 1937	Belleville	1	Couterville	November 2, 1977	15,479
James B. Robinson	Sparta	23	June 8, 1954	Herrin	1	Couterville	November 2, 1977	15,480
David B. Robinson	Sparta	20	May 28, 1954	Red Bud	1	Couterville	November 2, 1977	15,481
James R. Yancy	Tilden	19	September 21, 1946	Belleville	1	Couterville	November 2, 1977	15,482
Floyd B. Young	Herrin	33	March 6, 1958	Red Bud	1	Couterville	November 2, 1977	15,483
Charles E. Gaines	Scheller	25	December 5, 1943	Herrin	1	DuQuoin	November 3, 1977	15,484
Steve K. Bruk	Cutler	45	September 12, 1956	Christopher	1	DuQuoin	November 3, 1977	15,485
Ronald Sullivan	DuQuoin	25	March 3, 1952	Christopher	1	DuQuoin	November 3, 1977	15,486
James L. Voorhees	DuQuoin	28	May 7, 1932	New Madrid, Mo.	1	DuQuoin	November 3, 1977	15,487
Jim H. Howell	DuQuoin	25	June 20, 1949	Chicago	1	DuQuoin	November 3, 1977	15,488
Olie L. Hyde	Murphysboro	38	September 13, 1952	DuQuoin	1	DuQuoin	November 3, 1977	15,489
Doyd D. Johnson	Cutler	47	March 10, 1942	Murphysboro	1	DuQuoin	November 3, 1977	15,490
David E. Pratt	Caseville	38	July 7, 1939	Souel, Korea	1	DuQuoin	November 3, 1977	15,491
Joseph B. Smith	Litchfield	24	January 22, 1930	Annapolis, Mo.	1	Springfield	November 4, 1977	15,492
Joseph A. Denning	Litchfield	36	November 16, 1952	Litchfield	1	Springfield	November 4, 1977	15,493
Terry W. Myers	Taylorville	28	January 6, 1939	Orange, Texas	1	Springfield	November 4, 1977	15,494
Brent L. Adams	Springfield	37	January 1, 1948	Taylorville	1	Springfield	November 4, 1977	15,495
Mark Edward Brown	Springfield	29	January 1, 1948	Taylorville	1	Springfield	November 4, 1977	15,496
William Sharp	Pawnee	22	July 7, 1948	Springfield	1	Springfield	November 4, 1977	15,497
Michael Huston	Irving	22	December 19, 1957	Hillsboro	1	Springfield	November 4, 1977	15,498
Roy Aherin	Virden	27	July 6, 1955	Hillsboro	1	Springfield	November 4, 1977	15,499
John W. Heyen	Kincaid	27	February 18, 1955	Springfield	1	Springfield	November 4, 1977	15,500
Douglas Chancey	Virden	25	June 28, 1950	Taylorville	1	Springfield	November 4, 1977	15,501
Frank Pasquin	Farmer'sville	52	August 23, 1952	Farmersville	1	Springfield	November 4, 1977	15,502
David L. Hendricks	Mt. Olive	23	May 8, 1925	Litchfield	1	Springfield	November 4, 1977	15,503
	Loami	30	September 9, 1954	Harrisburg	1	Springfield	November 4, 1977	15,504
	Niwood	30	March 9, 1947	Flint, Mich.	1	Springfield	November 4, 1977	15,505
	Grand	27	November 6, 1946	Litchfield	1	Springfield	November 4, 1977	15,506
	Taylorville	27	June 2, 1950	Taylorville	1	Springfield	November 4, 1977	15,507
			September 4, 1949	Taylorville	1	Springfield	November 4, 1977	15,508

# CERTIFICATES ISSUED BY MINERS' EXAMINING BOARD—FIRST CLASS—1977

Name of applicant	Post Office address	Age	Date of birth	Birthplace	Years Exp.	Place of examination	Date of examination	Cert. No.
James H. Hinds	Springfield	23	October 12, 1954	Springfield	1	Springfield	November 4, 1977	15,509
Stephen W. Franklin	Edinburg	25	October 18, 1955	Springfield	1	Springfield	November 4, 1977	15,510
James A. Shanks	Palmer	25	March 30, 1952	Taylorville	1	Springfield	November 4, 1977	15,511
Donald R. Cody, Jr.	Pawnee	21	March 31, 1955	Springfield	1	Springfield	November 4, 1977	15,512
Robert J. Oprechak	Auburn	50	May 23, 1927	Virdean	1	Springfield	November 4, 1977	15,513
Dave M. Martinotti	Livingston	27	August 26, 1957	Litchfield	1	Carlinville	November 4, 1977	15,514
Arthur E. Geninatti	New Douglas	20	August 28, 1950	Carlinville	1	Carlinville	November 4, 1977	15,515
Donald W. Boden	Bunker Hill	28	June 3, 1949	Litchfield	1	Carlinville	November 4, 1977	15,516
Thomas R. Hetherington	Carlinville	22	July 22, 1955	Clinton, Mo.	1	Carlinville	November 4, 1977	15,517
Thomas R. Stults	Carlinville	22	January 13, 1955	Carlinville	1	Carlinville	November 4, 1977	15,518
Russell D. Chapman	Gillespie	25	May 19, 1952	Carrollton	1	Carlinville	November 4, 1977	15,519
Mark E. Myers	Litchfield	27	May 28, 1957	Bellevue	1	Carlinville	November 4, 1977	15,520
Frederick J. Chassey, Jr.	Carlinville	27	May 17, 1950	Chestnut Hill, Penn.	1	Carlinville	November 4, 1977	15,521
Gloria A. Price	Greenfield	30	April 2, 1957	Carrollton	1	Carlinville	November 4, 1977	15,522
Jerrold V. Chandler	Greenfield	30	March 29, 1947	Carrollton	1	Carlinville	November 4, 1977	15,523
Ernest B. Seawright	Gillespie	35	August 31, 1945	St. Louis, Mo.	1	Carlinville	November 4, 1977	15,524
Allen B. Sommer	Carlinville	35	March 28, 1942	Chesapeake, W. Va.	1	Carlinville	November 4, 1977	15,525
Allen L. Lemmer	Butler	33	November 30, 1943	Forest City, Iowa	1	Carlinville	November 4, 1977	15,526
John J. Barnwell, Jr.	Diverson	33	June 21, 1955	Springfield	1	Carlinville	November 4, 1977	15,527
Phil L. Klump	Hillsboro	24	June 26, 1953	Hillsboro	1	Carlinville	November 4, 1977	15,528
Rick A. Moore	Carlinville	27	July 20, 1957	Idaho Falls, Idaho	1	Carlinville	November 4, 1977	15,529
Anthony G. Riles	Benid	27	March 20, 1950	Carlinville	1	Carlinville	November 4, 1977	15,530
Stephen J. Gripp	Grand	29	March 27, 1948	Springfield	1	Carlinville	November 4, 1977	15,531
Michael S. Allen	Bunker Hill	29	February 15, 1957	Alton	1	Carlinville	November 4, 1977	15,532
Loren D. Baugh	Gillespie	22	November 13, 1954	Litchfield	1	Carlinville	November 4, 1977	15,533
Edward L. Richno	Virdean	31	June 14, 1946	Springfield	1	Carlinville	November 4, 1977	15,534
Dale E. Palmer	Auburn	21	December 24, 1955	Springfield	1	Carlinville	November 4, 1977	15,535
Kirk D. Burnett, Jr.	Galatia	33	February 20, 1944	Eldorado	1	Eldorado	November 5, 1977	15,536
Bertis R. Trammel	Harrisburg	25	May 25, 1952	Vincennes, Ind.	1	Eldorado	November 5, 1977	15,537
Larry D. Hall	Villa Grove	28	May 6, 1949	Miami, Fla.	1	Tuscola	November 5, 1977	15,538
Luis H. Rohrbach	Westville	26	June 22, 1951	Danville, Ind.	1	Tuscola	November 7, 1977	15,539
Richard Martin	Chisman	24	June 26, 1953	Canton, Ind.	1	Tuscola	November 7, 1977	15,540
Larry M. Boatman	Westville	27	December 15, 1939	Paris	1	Tuscola	November 7, 1977	15,541
Paul D. Woods	Paris	37	April 18, 1936	Paris	1	Tuscola	November 7, 1977	15,542
Ken D. Hoads	Villa Grove	41	April 18, 1936	Oakland City, Ind.	1	Tuscola	November 7, 1977	15,543
Terry J. Shap	Tuscola	22	May 27, 1955	Harrisburg	6 mo.	Tuscola	November 8, 1977	15,544
Kenny Joe Walker	Harrisburg	23	September 23, 1954	Harrisburg	1	Harrisburg	November 8, 1977	15,545
Terrance J. Gibbs	Harrisburg	19	September 19, 1958	Tuscon, Ariz.	1	Harrisburg	November 8, 1977	15,546
Thomas E. Joyce	Harrisburg	23	September 22, 1958	Hillsboro	1	Harrisburg	November 8, 1977	15,547
Irving	Witt	21	September 22, 1958	Pana	1	Harrisburg	November 8, 1977	15,548
Dan R. Cook	Shawneetown	20	June 29, 1956	Shawneetown	3	Harrisburg	November 8, 1977	15,549
Donald E. Gross	Harrisburg	25	December 15, 1951	Harrisburg	1	Harrisburg	November 8, 1977	15,550
Randall D. Fowler	Thompsonville	25	February 21, 1930	Martin, Tenn.	2	Benton	November 9, 1977	15,551
Kenneth Fitch	Hillsboro	47	December 21, 1956	Vandalia	1	Benton	November 9, 1977	15,552
Kelvin L. Stewart	Vandalia	20	December 21, 1956	Vandalia	1	Benton	November 9, 1977	15,553
Dale Reeves	Vandalia	24	August 15, 1953	Vandalia	1	Benton	November 9, 1977	15,554
William R. Gibson	Mt. Vernon	25	September 28, 1952	Mt. Vernon	1	Benton	November 9, 1977	15,555

Virgil D. Arms	West Frankfort	October 12, 1942	West Frankfort	1	Benton	November 9, 1977	15,555
Roy Ginger	Pana	September 7, 1935	Osberville	2	Benton	November 9, 1977	15,556
Donald H. Fleming	Catin	September 22, 1929	Newman	1	Benton	November 9, 1977	15,557
Craig L. Cassidy	Nokomis	May 14, 1958	Pana	1	Benton	November 9, 1977	15,558
Donald K. Whittier	Eldorado	September 11, 1937	Springfield	1	Benton	November 9, 1977	15,559
Thomas Cashen	Auburn	December 13, 1955	Blountville	1	Benton	November 9, 1977	15,560
John T. Phelps, Jr.	Marion	January 18, 1948	Blountville	1	Benton	November 9, 1977	15,561
Richard D. Hall	Thompsonville	December 17, 1952	Pontiac, Mich.	1	Benton	November 9, 1977	15,562
T. R. Long, Jr.	Mt. Vernon	October 12, 1951	Birmingham, Ala.	1	Benton	November 9, 1977	15,563
James M. Dycus	Mt. Vernon	September 30, 1949	Mt. Vernon	1	Benton	November 9, 1977	15,564
James G. Leber	Mt. Vernon	September 9, 1939	Grand Miss.	1	Benton	November 9, 1977	15,565
Edmond G. Adams	Johnston City	September 27, 1948	DuQuoin	1	Benton	November 9, 1977	15,566
Michael D. Clifford	Carrollville	October 4, 1956	Herrin	1	Herrin	November 10, 1977	15,567
Richard D. O'Keefe	Benton	April 1, 1950	Christopher	1	Herrin	November 10, 1977	15,568
Norman D. Kirkpatrick	Buckner	November 3, 1953	Christopher	1	Herrin	November 10, 1977	15,569
David P. Evans	Marion	November 6, 1951	Carbondale	1	Herrin	November 10, 1977	15,570
Ronald H. Harper	Johnston City	November 11, 1947	Bradford, Tenn.	1	Herrin	November 10, 1977	15,571
Curtis W. Vancil	Freeman Spur	May 12, 1952	Herrin	1	Herrin	November 10, 1977	15,572
Robert L. Patton	Freeman Spur	July 5, 1955	Springfield	1	Herrin	November 10, 1977	15,573
Bill W. Betz	Carrollville	February 10, 1954	Herrin	1	Herrin	November 10, 1977	15,574
Virgil E. Worley	Zeigler	August 4, 1920	Bush	1	Zeigler	November 11, 1977	15,575
William Humphrey	Herrin	December 1, 1922	Ida, Ky.	6	Zeigler	November 11, 1977	15,576
Vernon Carpenter	Christopher	April 23, 1941	Christopher	1	Zeigler	November 11, 1977	15,577
Robert R. Blanken	West Frankfort	July 24, 1956	Zeigler	1	Zeigler	November 11, 1977	15,578
Saffiah Khanan	Benton	November 22, 1938	Damascus, Syria	1	Zeigler	November 11, 1977	15,579
George L. Tilley	DuQuoin	April 9, 1946	DuQuoin	1	Zeigler	November 11, 1977	15,580
James J. Saranur	Francisco, Ind.	May 17, 1956	Crown Point, Ind.	1	Mt. Carmel	November 12, 1977	15,581
Dan Smith	Owensville, Ind.	January 14, 1951	Princeton, Ind.	6 mo	Mt. Carmel	November 12, 1977	15,582
Terry D. Davis	Princeton, Ind.	February 6, 1948	Owensville, Ind.	6 mo	Mt. Carmel	November 12, 1977	15,583
Scott Lankford	Princeton, Ind.	March 1, 1953	Mt. Carmel	1	Mt. Carmel	November 12, 1977	15,584
Donald Hopson	Equality	June 29, 1955	Elmhurst	1	Mt. Carmel	November 12, 1977	15,585
Jack Hershey	Mt. Carmel	April 15, 1947	Vincennes, Ind.	1	Mt. Carmel	November 12, 1977	15,586
Douglas R. Back	Coutleville	June 27, 1947	Manington, Ky.	1	Mt. Carmel	November 12, 1977	15,587
Neal Hinte	Coutleville	December 11, 1948	Belleville	1	Coutleville	December 5, 1977	15,588
Robert L. Herman	Coutleville	December 11, 1953	Belleville	1	Coutleville	December 5, 1977	15,589
Le R. Gumbler	Coutleville	May 27, 1955	Pinckneyville	1	Coutleville	December 5, 1977	15,590
Donald L. Brinker	New Athens	May 1, 1950	Belleville	1	Coutleville	December 5, 1977	15,591
Raymond F. Klen	Smithton	December 16, 1952	Red Bud	1	Coutleville	December 5, 1977	15,592
Edwin C. Dawdy	Pinckneyville	June 5, 1954	St. Louis, Mo.	3	Coutleville	December 5, 1977	15,593
Dean R. Wittenborn	Sparta	July 30, 1943	Sparta	1	Coutleville	December 5, 1977	15,594
Gary D. Thies	Percy	August 26, 1950	Murphysboro	1	Coutleville	December 5, 1977	15,595
Donald R. George	Pinckneyville	December 20, 1936	Pinckneyville	1	Coutleville	December 5, 1977	15,596
Bruce Lowe	Marion	August 16, 1956	Marion	1	Coutleville	December 5, 1977	15,597
Michael A. Mabrey	Mascoutah	September 9, 1950	Oakland City, Ind.	1	Coutleville	December 5, 1977	15,598
J. Chris Watson	Galatia	August 30, 1955	Eldorado	1	Coutleville	December 5, 1977	15,599
John L. Leacock	Campbell Hill	May 22, 1957	Marion	1	Coutleville	December 5, 1977	15,600
Chris R. Rowell	Marion	August 18, 1957	Herrin	1	Coutleville	December 5, 1977	15,601
Harold S. Eubanks	West Frankfort	October 17, 1954	Christopher	1	DuQuoin	December 6, 1977	15,602
Harold A. Zimmerman	Murphysboro	September 1, 1950	Ovaille	1	DuQuoin	December 6, 1977	15,603
Gary W. Todd	Thompsonville	December 21, 1954	Thompsonville	1	DuQuoin	December 6, 1977	15,604
George Jenkins	DuQuoin	January 28, 1950	DuQuoin	1	DuQuoin	December 6, 1977	15,605
Fay W. Crawshaw	Royalton	February 2, 1939	Carbondale	1	DuQuoin	December 6, 1977	15,606
Louis McMurray	Herrin	June 12, 1950	DuQuoin	1	DuQuoin	December 6, 1977	15,607
Douglas E. Johnson	Belleville	February 24, 1953	New York City, N. Y.	1	DuQuoin	December 6, 1977	15,608

# CERTIFICATES ISSUED BY MINERS' EXAMINING BOARD — FIRST CLASS — 1977

Name of applicant	Post Office address	Age	Date of birth	Birthplace	Years Exp.	Place of examination	Date of examination	Cert. No.
Mark Guard	Harrisburg	20	January 28, 1957	Benton	1	Carrier Mills	December 7, 1977	15,609
Tom S. Hartwell	Marion	29	April 1, 1948	Carbondale	1	Carrier Mills	December 7, 1977	15,610
Bill D. Patrick	Carbondale	30	March 19, 1947	Ida Bel, Okla.	1	Springfield	December 9, 1977	15,611
Ronald Aubrey	Springfield	26	September 3, 1951	Springfield	1	Springfield	December 9, 1977	15,612
Gary J. Ronald	Gillespie	20	May 28, 1957	Litchfield	1	Virde	December 9, 1977	15,613
Robert E. Adams	Girard	47	March 6, 1930	Carlinville	1	Virde	December 9, 1977	15,614
Evan Cain	Virde	22	January 31, 1955	Springfield	1	Virde	December 9, 1977	15,615
Stanley D. Warden	Filimore	25	July 22, 1952	Pana	1	Virde	December 9, 1977	15,616
Donald Brown	Hillsboro	23	April 5, 1954	Springfield	1	Virde	December 9, 1977	15,617
David E. Whalen	Girard	30	September 1, 1955	Springfield	1	Virde	December 9, 1977	15,618
Michael Hourig	Girard	20	June 19, 1957	Jacksonville	1	Virde	December 9, 1977	15,619
James J. Jones	Waverly	35	July 8, 1942	Alton	1	Virde	December 9, 1977	15,620
Mike McCarr	Panama	22	July 25, 1955	Hillsboro	1	Virde	December 9, 1977	15,621
Michael Muehler	Hillsboro	26	January 17, 1951	Hillsboro	1	Virde	December 9, 1977	15,622
Lester Stevens, Jr.	Litchfield	24	December 5, 1953	E. St. Louis	1	Virde	December 9, 1977	15,623
Joseph Thoron	Waggoner	28	December 26, 1948	Springfield	1	Virde	December 9, 1977	15,624
Rockne G. Berg	DuQuoin	25	September 21, 1952	DuQuoin	1	Sesser	December 12, 1977	15,625
Danny L. Webb	Sesser	21	November 5, 1956	Kankakee	1	Sesser	December 12, 1977	15,626
Dwight C. Stewart	Mt. Vernon	41	December 1, 1936	Mt. Vernon	1	Sesser	December 12, 1977	15,627
Rodney Peterson	Bonnie	20	August 23, 1957	Chicago	6 mo.	Sesser	December 12, 1977	15,628
Monty A. Montgomery	Waltonville	34	October 14, 1943	Goreville	15	Sesser	December 12, 1977	15,629
Claude S. Gabbart, Jr.	Linton, Ind.	45	March 17, 1932	Jasonville, Ind.	1	Mt. Carmel	December 13, 1977	15,630
Juan A. Robertson	Bicknell, Ind.	23	September 13, 1954	Vincennes, Ind.	1	Mt. Carmel	December 13, 1977	15,631
David T. Hyman	Princeton, Ind.	26	April 30, 1951	Princeton, Ind.	1	Mt. Carmel	December 13, 1977	15,632
Edward A. Pauley	Princeton, Ind.	28	March 20, 1949	Patoka, Ind.	1	Mt. Carmel	December 13, 1977	15,633
Timothy B. Thompson	Terre Haute, Ind.	25	October 6, 1952	Sullivan, Ind.	1	Mt. Carmel	December 13, 1977	15,634
Lawrence N. Devous	Mt. Carmel	25	May 24, 1959	Elidardo	1	Mt. Carmel	December 13, 1977	15,635
James H. Jennings	Owensville, Ind.	25	April 25, 1959	Elidardo	1	Mt. Carmel	December 13, 1977	15,636
Alvin Phillips	Carlinville	40	April 16, 1937	Carlinville	6 mo.	Mt. Carmel	December 13, 1977	15,637
Bennis L. Read	Francisco, Ind.	50	August 5, 1927	Carlinville	1	Mt. Carmel	December 13, 1977	15,638
Dennis R. Tooley	Francisco, Ind.	23	December 26, 1953	Oakland City, Ind.	1	Mt. Carmel	December 13, 1977	15,639
Grover C. Krieg	Francisco, Ind.	24	March 6, 1953	Princeton, Ind.	1	Mt. Carmel	December 13, 1977	15,640
Shirley A. Johnson	Grayville	41	June 1, 1936	Farrfett, Mo.	1	Mt. Carmel	December 13, 1977	15,641
Steven L. Dickey	Albion	28	January 16, 1949	Sims	1	Mt. Carmel	December 13, 1977	15,642
Robert Rowe	Oakland City, Ind.	26	November 25, 1951	Princeton, Ind.	6 mo.	Mt. Carmel	December 13, 1977	15,643
Harry Lee, Jr.	Pittsburg	59	June 22, 1918	Pittsburg	1	Benton	December 14, 1977	15,644
Larry Wilderman	Coffeen	34	August 23, 1943	Decatur	1	Benton	December 14, 1977	15,645
Terry D. Mattingly	Marion	30	March 14, 1947	Murphysboro	1	Benton	December 14, 1977	15,646
Ricky G. Avery	Ewing	28	October 20, 1949	Herrin	1	Benton	December 14, 1977	15,647
Glenn A. Kovach	Benton	20	November 10, 1957	Benton	6 mo.	Benton	December 14, 1977	15,648
Brian K. Fitzpatrick	Benton	20	December 24, 1956	Benton	1	Benton	December 14, 1977	15,649
Murray H. Beck	Johnston City	31	November 19, 1946	Jonesboro, Ark.	1	Benton	December 14, 1977	15,650
Charles W. Lyell	Johnston City	26	January 5, 1951	Johnston City	1	Benton	December 14, 1977	15,651
Y. Scott Lee	Pittsburg	25	May 20, 1952	Herrin	1	Benton	December 14, 1977	15,652
Omney E. Davis	Benton	22	June 22, 1955	Herrin	1	Benton	December 14, 1977	15,653
Floyd L. Smith	Herrin	33	August 24, 1944	Herrin	1	Benton	December 14, 1977	15,654

Steve R. Allen	West Frankfort	21	June 28, 1956	Herrin	1	Benton	December 14, 1977	15,655
Dwight R. Mays	West Frankfort	22	June 28, 1956	Herrin	1	Benton	December 14, 1977	15,656
Arthur R. Wilburn	Benton	41	April 24, 1936	West Frankfort	1	Benton	December 14, 1977	15,657
Ronald E. Whiteman	Herrin	27	October 27, 1950	Rock Springs, Wyo.	1	Benton	December 14, 1977	15,658
George D. Chick	West Frankfort	22	December 8, 1955	Mt. Vernon	1	Benton	December 14, 1977	15,659
Vernon Bozarth	West Frankfort	23	January 1, 1954	Cape Girardeau, Mo.	1	Benton	December 14, 1977	15,660
Roy D. Orr	Eldorado	32	September 29, 1945	Eldorado	1	Eldorado	December 15, 1977	15,661
Bob L. Brazier	Eldorado	38	May 10, 1939	Shawneetown	12	Eldorado	December 15, 1977	15,662

## SUMMARY OF ACTIVITIES OF MINE RESCUE STATIONS

	Benton	Coulterville	DuQuoin	Eldorado	Elizabethtown	Springfield	Total
Number of persons trained on 100% First Aid Program . . .	390	113	121	284	26	277	1,211
Candidates for additional Training Certificates. . . . .	...	...	...	...	...	...	...
Number of men trained as First Aid Instructors or Key men . . .	...	...	...	...	...	...	...
Number of plants, schools, mines, etc., given 100% training . .	2	2	1	1	2	...	8
Number of men given complete Mine Rescue Training . . . . .	2	...	...	6	14	...	22
Number of men given modified Mine Rescue Course. . . . .	4	87	5	14	...	...	110
Number of calls to mines on emergencies . . . . .	...	...	...	...	3	...	3
Number of miscellaneous calls other than mines . . . . .	...	...	...	...	...	...	...

# REPORT OF METAL MINES OPERATIONS—FLUORSPAR, ZINC & LEAD—1977

## NAME, LOCATION OF MINES, DEPTH OF SHAFT, USE OF PRODUCTS, METHOD OF HOISTING AND MINING

Name of Operator	Location of Mine		Depth of Shaft	Product Used For—	Method of Hoisting	Method of mining—Hand Machine or Both
	Post Office	County				
Allied Chemical Corp., Mine #1 & Mill	Cave-In-Rock	Hardin	645'	Making fluorine chemicals, met. & ceramic fluxes, welding rods coatings, fiberglass flux & zinc metals.	Electric	Machine
Allied Chemical Corp., "Spwey"	Cave-In-Rock	Hardin	691'	Making fluorine chemicals, and fluxes and zinc metal.	Electric	Machine
Hastie Mining Co.	Cave-In-Rock	Hardin	Strip	Flux of steel	Electric	Both
Illinois Minerals Co.	Elizabethtown	Alexander	20'-300'	Filler extender	Electric	Both
Ozark Mahoning Co.	Rosiclare	Hardin	150'-850'	Chemical, Glass, Ceramic and Steel Industries	Electric	Machine

## METAL MINES OPERATIONS—FLUORSPAR, LEAD & ZINC—1977

Name of Operator	Production in tons Fluorspar Lead & Zinc	Number employed	Days worked	Lead and Zinc in Tons	Explosives used—Dynamite, pounds	Accidents		Tons shipped to points in—		
						Fatal	Non-Fatal	Illinois	Other States	Foreign Countries
Allied Chemical Corp., Mine #1 & Mill	153,371	108	255		92,023	0	49	1,436	58,921	377
Allied Chemical Corp., "Spwey"	48,765	45	253		144,169*	0	40			
Hastie Mining Co.	175.1	3	275		56,167*	0	0			
Illinois Minerals Co.	63,104	7	304		4,000*	0	0	10	1,741	None
Ozark Mahoning Co.	304,066	207	354		112,000	0	12			
					256,270*	0	26	5,598	74,506	2,442
					176,450	0				

\*Denotes Ammonium Nitrate

**GENERAL DESCRIPTION  
TRAINING DIVISION  
DEPARTMENT OF MINES & MINERALS**

The Department, in 1971, established the Safety Training Division to provide instruction for miners in the safety aspect of coal mining and to implement any new training objectives that might be desirable and feasible. The Division consists of three full time state mine inspectors, one secretary and a training coordinator. The section staff is supplemented from time to time with an explosive inspector and a fourth state mine inspector to provide explosive and electrical safety instruction, respectively. Instruction is offered at 10 to 12 different locations throughout the state, normally at state or public offices; however, in some instances it is offered at a central coal mine site.

Although the training is available to all coal miners, the instruction is attended primarily by those personnel desiring to obtain certificates of competency as mine examiner, mine manager, hoisting engineer and state mine inspector. Certification is required by law (Chapter 93, Illinois Revised Statutes) for those personnel holding such positions.

The instruction offered deals with first aid, mine rescue techniques, accident prevention, state and federal mining laws, ventilation, roof and rib control, electricity, safety instrumentation, etc. Upon conclusion of the course, which is held twice annually, the Department (including the Mining Board) administers examinations, both oral and written, to those personnel desiring certificates. The site for such examinations is at designated locations.

Under authority of the Federal Coal Mine Health and Safety Act of 1969 the Bureau of Mines (now referred to as MESA in regards to regulation enforcement) established mandatory safety standards for the mining industry. In conjunction with these standards certain mine training requirements were established. Since state and federal objectives were practically the same the Department applied for federal grant in April of 1971. Grant approval was obtained and the first remuneration was received in April of 1972 based on the federal government returning 80% of the funds expended. The grant program has been extended from time to time. Progress reports, fund accounting, etc. are a part of the Division's function.

The Department also issues certificates of competency for metal mine foreman, metal mine hoisting engineer and state metal mine inspector. Examinations are also given to establish the proficiency of mine rescue station superintendents and their assistants. These functions all require certain section duties.



## DEPARTMENT OF MINES AND MINERALS

## TRAINING DIVISION

## Employees

Safety Engineer (Coordinator)	Donald C. Simpson R. R. 2 Benton, Illinois 62812
Instructor-Inspector	Thomas Pinnell Box 73 Farmersville, Illinois 62533
Instructor-Inspector	John Fleming 701 E. Main DuQuoin, Illinois 62832
Instructor-Inspector	Russell Spitzner 1201 N. Garfield Marion, Illinois 62959
Clerk Typist II	June Coggins 301 W. Matthew St. Sesser, Illinois 62884

STATE MINING BOARD CERTIFICATES ISSUED FOR  
MINE RESCUE STATION ASSISTANT—1977

Name	Post Office	County	Age	Birthplace	Date of examination	No. of certificate
James DeVillez	Harrisburg . . . . .	Saline. . . . .	50	Illinois. . . . .	April 25, 1977. . . . .	

# STATE MINING BOARD CERTIFICATES ISSUED FOR MINE MANAGER—FIRST CLASS—1977

Name	Post Office	County	Age	Birthplace	Date of examination	No. of certificate
Michael E. Absher	Carrier Mills	Saline	29	Illinois	April 26, 1977	5081
Lyman L. Bennis, Jr.	Christopher	Franklin	30	Illinois	April 26, 1977	5082
James F. Borders	Harrisburg	Saline	26	Illinois	April 26, 1977	5083
Richard U. Campo	Belleville	St. Clair	33	Illinois	April 26, 1977	5084
Terry R. Chance	West Frankfort	Franklin	34	Illinois	April 26, 1977	5085
Charles L. Clendenin	Johnston City	Williamson	29	Illinois	April 26, 1977	5086
Dennis Palmier	Cartersville	Williamson	26	Illinois	April 26, 1977	5087
Wilbur M. Franklin, Jr.	Sparta	Randolph	24	Illinois	April 26, 1977	5088
Bradley Huie	Tiden	Randolph	28	Illinois	April 26, 1977	5089
Danny Killman	Marion	Williamson	25	Illinois	April 26, 1977	5090
John F. McGill	Eldorado	Saline	30	Illinois	April 26, 1977	5091
Jack R. McReynolds	Sparta	Randolph	40	Illinois	April 26, 1977	5092
Larry G. Marvel	West Frankfort	Franklin	28	Illinois	April 26, 1977	5093
Abraham Monroe	Sparta	Randolph	31	Mississippi	April 26, 1977	5094
Daniel C. Norman	West Frankfort	Franklin	25	Illinois	April 26, 1977	5095
Jackie Lewis Norris	Hurst	Williamson	34	Illinois	April 26, 1977	5096
Gregory A. Overturf	Johnston City	Williamson	29	Iowa	April 26, 1977	5097
Herman E. Parton	Creal Spring	Williamson	57	Illinois	April 26, 1977	5098
Gordon L. Roberts	Carlinville	Macoupin	53	Illinois	April 26, 1977	5099
Hugh J. Robinson	Creal Springs	Williamson	33	Illinois	April 26, 1977	5100
John F. Slevin	Thompsonville	Williamson	34	Illinois	April 26, 1977	5101
Michael D. Smart	Sparta	Randolph	26	Illinois	April 26, 1977	5102
Edward L. Smith	Marissa	St. Clair	35	Illinois	April 26, 1977	5103
Terry E. Starick	Pittsburg	Williamson	25	Illinois	April 26, 1977	5104
Charles R. Stille	Harrisburg	Saline	34	Illinois	April 26, 1977	5105
Cecil C. Swain	DuQuoin	Perry	51	Illinois	April 26, 1977	5106
Ronald L. Travelstead	Marion	Williamson	39	Illinois	April 26, 1977	5107
Gary Walker	Harrisburg	Saline	24	Illinois	April 26, 1977	5108
Doug Winters	Marion	Williamson	29	Illinois	April 26, 1977	5109
Sam Witherspoon	Carrier Mills	Saline	53	Illinois	April 26, 1977	5110
George A. Woods	Marion	Williamson	27	Indiana	April 26, 1977	5111
Carlos D. Woody	West Frankfort	Franklin	35	Illinois	April 26, 1977	5112
Wm. David Barger	Litchfield	Montgomery	40	Illinois	May 12, 1977	5113
Wayne Michael Buck	Carlinville	Macoupin	27	Illinois	May 12, 1977	5114
Wesley T. Campbell	Dorchester	Macoupin	26	Illinois	May 12, 1977	5115
Tommy Cates	Madisonville, Ky.	Hopkins, Ky.	40	Kentucky	May 12, 1977	5116
Paul Mahan Cook	Athens, Ohio	Athens, Ohio	25	W. Virginia	May 12, 1977	5117
William R. Cook	Tuscola	Douglas	52	Illinois	May 12, 1977	5118
Larry Lee Davis	Irving	Montgomery	29	Illinois	May 12, 1977	5119
Robert C. Davis	Irving	Montgomery	32	Illinois	May 12, 1977	5120
Thomas E. Davis	Kincaid	Christian	44	Illinois	May 12, 1977	5121
Michael G. Downs	Springfield	Sangamon	26	Illinois	May 12, 1977	5122
Thomas J. Fenolio	Sparta	Randolph	30	Illinois	May 12, 1977	5123
L. William Fraelle	Gillespie	Macoupin	40	Illinois	May 12, 1977	5124
Clifford R. Gosnell	Tuscola	Douglas	25	Kentucky	May 12, 1977	5125
Carl Lee Griffin	Fillmore	Montgomery	41	Illinois	May 12, 1977	5126
James R. Henshaw	Hillsboro	Montgomery	28	Illinois	May 12, 1977	5127
Grover L. Higgason	Edinburg	Christian	32	Illinois	May 12, 1977	5128
Paul F. Huber	Hillsboro	Montgomery	38	Illinois	May 12, 1977	5129
John Michael Kanger	Georgetown	Vermilion	28	Illinois	May 12, 1977	5130
Thomas Matthew Kell	Irving	Montgomery	25	Illinois	May 12, 1977	5131
Thomas S. Kelly	Tuscola	Douglas	26	Illinois	May 12, 1977	5132
Gene Klyaic	Blanford, Ind.	Vermilion	34	Indiana	May 12, 1977	5133
John M. Kollins	Waverly	Morgan	38	Illinois	May 12, 1977	5134
Gary W. Laurent	Hillsboro	Montgomery	28	Illinois	May 12, 1977	5135
George J. Letschuh	Staunton	Macoupin	28	Illinois	May 12, 1977	5136
Daniel L. McLean	Carlinville	Macoupin	31	Illinois	May 12, 1977	5137
Paul Mihalek	Carlinville	Macoupin	24	Pennsylvania	May 12, 1977	5138
Wilbur A. Moore	Coffeen	Montgomery	37	Illinois	May 12, 1977	5139
James M. Price	Gillespie	Macoupin	28	Illinois	May 12, 1977	5140
Robert Gerald Rogers	Benton	Franklin	49	Illinois	May 12, 1977	5141
Rodrick B. Rowley	Coffeen	Montgomery	23	Illinois	May 12, 1977	5142
Thomas Raymond Seman	Kincaid	Christian	44	Illinois	May 12, 1977	5143
Donald J. Stumac	Edinburg	Christian	35	Illinois	May 12, 1977	5144
Henry J. Walker	Taylorville	Christian	48	Illinois	May 12, 1977	5145
John Michael Walker	Taylorville	Christian	25	Illinois	May 12, 1977	5146
William Westekamp	Farmersville	Montgomery	23	Illinois	May 12, 1977	5147
Charles F. Weston	Fillmore	Montgomery	49	Illinois	May 12, 1977	5148
Harry Elvis Whitten	Litchfield	Montgomery	49	Illinois	May 12, 1977	5149
William L. Kent	Morrisonsville	Christian	33	Illinois	May 12, 1977	5150
Ronald L. Westray	Benton	Franklin	38	Illinois	April 26, 1977	5151
Bill Allen	Harvel	Montgomery	27	Kentucky	October 26, 1977	5152
Gary Lee Anderson	Carlinville	Macoupin	37	Illinois	October 26, 1977	5153
Phillip Ray Appleby	Newman	Douglas	29	Illinois	October 26, 1977	5154
Stephen R. Atterberry	Hillsboro	Montgomery	28	Illinois	October 26, 1977	5155
Michael R. Caldwell	Witt	Montgomery	26	Pennsylvania	October 26, 1977	5156

# STATE MINING BOARD CERTIFICATES ISSUED FOR MINE MANAGERS—FIRST CLASS—1977—(Concluded)

Name	Post Office	County	Age	Birthplace	Date of examination	No. of certificate
Richard G. Catterman	Virdeon	Macoupin	30	Ohio	October 26, 1977	5157
Eddie D. Cox	Clinton, Ind.	Vermilion	33	Indiana	October 26, 1977	5158
Jerry H. Derby	Newman	Douglas	38	Illinois	October 26, 1977	5159
George F. Frame	Gillespie	Macoupin	30	Illinois	October 26, 1977	5160
Daniel G. Ganey	Carlinville	Macoupin	26	Illinois	October 26, 1977	5161
Thomas L. Garbin	Sawyer	Macoupin	29	Illinois	October 26, 1977	5162
Rhonda D. Goggins	Marissa	St. Clair	30	Alabama	October 26, 1977	5163
William G. Gordon	Newman	Douglas	45	Illinois	October 26, 1977	5164
James R. Hawk	Tuscola	Douglas	40	Illinois	October 26, 1977	5165
Kenneth J. Hennette	Chrisman	Edgar	28	Illinois	October 26, 1977	5166
Raymond J. Houlihan	Litchfield	Montgomery	33	Illinois	October 26, 1977	5167
James Edward Hurtte	Taylorville	Christian	25	Illinois	October 26, 1977	5168
Daniel Lynn Kelly	Tuscola	Douglas	30	Illinois	October 26, 1977	5169
Donald Eugene Kelly	Tuscola	Douglas	30	Illinois	October 26, 1977	5170
Earl Eugene Kelsheimer	Shepardsville, Ind.	Vigo, Ind.	52	Indiana	October 26, 1977	5171
James Bruce Koenig	Villa Grove	Douglas	30	Michigan	October 26, 1977	5172
Terry N. Koonce	Villa Grove	Douglas	26	Tennessee	October 26, 1977	5173
Michael D. Logsdon	Newman	Douglas	30	Illinois	October 26, 1977	5174
Ted L. Long	Raymond	Montgomery	26	Illinois	October 26, 1977	5175
Edward J. Lubrant, Jr.	Gillespie	Macoupin	35	Illinois	October 26, 1977	5176
Stephen W. McKinney	Oakland	Douglas	31	Missouri	October 26, 1977	5177
Perry W. Maguire	Hillsboro	Montgomery	28	Illinois	October 26, 1977	5178
James H. Mariage	Indianola	Vermilion	40	Illinois	October 26, 1977	5179
Charles R. Marx	Girard	Macoupin	26	Illinois	October 26, 1977	5180
William A. Melvin	West Frankfort	Macoupin	39	Illinois	October 26, 1977	5181
Dennis E. Muncy	Taylorville	Christian	31	Kentucky	October 26, 1977	5182
Dennis L. Parker	Dan, Ind.	Vermilion	27	Indiana	October 26, 1977	5183
William M. Porter	Hillsboro	Montgomery	27	Illinois	October 26, 1977	5184
Reginald R. Reeves	Tuscola	Douglas	28	Illinois	October 26, 1977	5185
William E. Scott	Nilwood	Macoupin	39	Illinois	October 26, 1977	5186
Wayne E. Sisk	Springfield	Sangamon	26	Illinois	October 26, 1977	5187
John L. Skinion	Newman	Douglas	27	Illinois	October 26, 1977	5188
Lynn E. Smith	Hillsboro	Montgomery	35	Illinois	October 26, 1977	5189
James W. Taylor	Carlisle, Ind.	Sullivan	53	Kentucky	October 26, 1977	5190
Om Prakash Agrawal	Mt. Carmel	Wabash	38	U. P. (India)	November 1, 1977	5191
Glen W. Barnes	Johnston City	Williamson	44	Illinois	November 1, 1977	5192
Donald R. Basinger	Eldorado	Saline	24	Illinois	November 1, 1977	5193
Hobart Beasley, Jr.	Carterville	Williamson	52	Illinois	November 1, 1977	5194
Ted Lee Berry	Belleville	St. Clair	28	Illinois	November 1, 1977	5195
John Steven Bibby	Pinckneyville	Perry	27	Ohio	November 1, 1977	5196
Robert Byron Comer, Jr.	Carrier Mills	Saline	30	Illinois	November 1, 1977	5197
Jimmy Michael Conley	Mt. Vernon	Jefferson	26	Kentucky	November 1, 1977	5198
L. Max Cooper	Keensburg	Wabash	25	Missouri	November 1, 1977	5199
William H. Cox, Jr.	Mt. Vernon	Jefferson	31	Illinois	November 1, 1977	5200
Donald Haskell Dame	Sesser	Franklin	25	Illinois	November 1, 1977	5201
Willard E. Dame	Sesser	Franklin	30	Illinois	November 1, 1977	5202
Russell W. Duncan	Harrisburg	Saline	26	Illinois	November 1, 1977	5203
Erich Egli	Harrisburg	Saline	49	Switzerland	November 1, 1977	5204
Drew C. Estes	Coulterville	Jackson	30	Illinois	November 1, 1977	5205
Danny J. Fowler	Sesser	Franklin	31	Illinois	November 1, 1977	5206
James D. Furlow	Sesser	Franklin	33	Missouri	November 1, 1977	5207
John Paul Grider, Sr.	Goreville	Johnson	34	Illinois	November 1, 1977	5208
William M. Hamilton	Waltonville	Jefferson	30	Illinois	November 1, 1977	5209
Thomas J. Helmer	DuQuoin	Perry	25	Illinois	November 1, 1977	5210
Jack D. Jones	Marissa	Washington	47	Illinois	November 1, 1977	5211
Robert C. Lehman	Carrier Mills	Saline	30	New York	November 1, 1977	5212
Michael E. Maynor	DuQuoin	Perry	28	Illinois	November 1, 1977	5213
Charles R. Meadows	Harrisburg	Saline	33	Illinois	November 1, 1977	5214
Ronald C. Medcalf	Tilden	Randolph	26	Indiana	November 1, 1977	5215
Gerald E. Minton	Royalton	Franklin	28	Illinois	November 1, 1977	5216
Roger E. Papproth	Freeburg	St. Clair	37	Illinois	November 1, 1977	5217
Anup Ray Chowdhury	Mt. Carmel	Wabash	30	Bihar, India	November 1, 1977	5218
Delmar Robinson	Christopher	Franklin	27	Illinois	November 1, 1977	5219
Edwin D. Settle	Sesser	Franklin	28	Illinois	November 1, 1977	5220
Donald L. Simpson	West Frankfort	Franklin	39	Illinois	November 1, 1977	5221
Charles H. Sine	Johnston City	Williamson	36	Illinois	November 1, 1977	5222
Leslie P. Sittig	Carrier Mills	Saline	29	Illinois	November 1, 1977	5223
Joseph W. Thornton	Carrier Mills	Saline	38	Illinois	November 1, 1977	5224
Tom F. Tuttle	Harrisburg	Saline	36	Michigan	November 1, 1977	5225
Raymond L. Vanzandt	Elkville	Jackson	55	Illinois	November 1, 1977	5226
Larry Winters	Equality	Gallatin	30	Illinois	November 1, 1977	5227
Carl E. Wolfe	West Frankfort	Franklin	27	Illinois	November 1, 1977	5228
Samuel T. Woods	Carterville	Williamson	29	Washington	November 1, 1977	5229
James M. Woolsey	DuQuoin	Perry	44	Illinois	November 1, 1977	5230

# STATE MINING BOARD CERTIFICATES ISSUED FOR MINE EXAMINERS—1977

Name	Post Office	County	Age	Birthplace	Date of examination	No. of certificate
Om Prakash Agrawal	Mt. Carmel	Wabash	38	U. P., India	April 25, 1977	7177
Michael Andeslich	Herrin	Williamson	28	Illinois	April 25, 1977	7178
Farrell D. Atkins	Ewing	Franklin	33	Illinois	April 25, 1977	7179
Glen W. Barnes	Johnston City	Williamson	44	Illinois	April 25, 1977	7180
William E. Bartor	Eldorado	Saline	24	Illinois	April 25, 1977	7181
Elmer Ray Bates	Sesser	Franklin	24	Illinois	April 25, 1977	7182
Donald Robert Basinger	Eldorado	Saline	23	Illinois	April 25, 1977	7183
Hobart Beasley, Jr.	Cartersville	Williamson	51	Illinois	April 25, 1977	7184
John Steven Bibb	Pinckneyville	Perry	26	Ohio	April 25, 1977	7185
Robert W. Blackman	Stonelort	Saline	30	Illinois	April 25, 1977	7186
Earl Leon Brannan	Thompsonville	Franklin	29	Illinois	April 25, 1977	7187
Danny A. Britton	Benton	Franklin	23	Illinois	April 25, 1977	7188
William C. Burklow, Jr.	Eldorado	Saline	30	Illinois	April 25, 1977	7189
Barney Lee Butler	Harrisburg	Saline	34	Michigan	April 25, 1977	7190
Dwight Butler	West Frankfort	Franklin	35	Illinois	April 25, 1977	7191
Danny R. Carner	Johnston City	Williamson	30	Illinois	April 25, 1977	7192
Albert Capps	Sturgis, Ky.		46	Kentucky	April 25, 1977	7193
Joel C. Capps	Hurst	Williamson	37	Illinois	April 25, 1977	7194
Floyd E. Castleman	Benton	Franklin	24	Illinois	April 25, 1977	7195
Dennis Wayne Chancey	Benton	Franklin	29	Illinois	April 25, 1977	7196
Deane S. Christian	West Frankfort	Franklin	26	Illinois	April 25, 1977	7197
Robert Dale Clarida	Galatia	Saline	24	Illinois	April 25, 1977	7198
James Lendell Clark	Marion	Williamson	35	Illinois	April 25, 1977	7199
Tommy D. Clark	Grayville	Edwards	29	Illinois	April 25, 1977	7200
Billie R. Clem	Thompsonville	Williamson	40	Illinois	April 25, 1977	7201
Steven E. Collier	Franklin	Edwards	24	Illinois	April 25, 1977	7202
William R. Collingsworth	Edwards	Edwards	29	Kentucky	April 25, 1977	7203
Darrell P. Compton	Sesser	Franklin	29	Kentucky	April 25, 1977	7204
Ernie B. Compton	Sesser	Franklin	25	Kentucky	April 25, 1977	7205
Jimmy M. Conley	Mt. Vernon	Jefferson	25	Kentucky	April 25, 1977	7206
L. Max Cooper	Keensburg	Wabash	25	Missouri	April 25, 1977	7207
William H. Cox, Jr.	Mt. Vernon	Jefferson	30	Illinois	April 25, 1977	7208
Jerry P. Cutsinger	Pittsburg	Williamson	34	Illinois	April 25, 1977	7209
Thomas M. Davis	Benton	Franklin	28	Illinois	April 25, 1977	7210
James B. Deaton	Carrier Mills	Saline	30	Illinois	April 25, 1977	7211
Alvin Dickey	Evansville	Randolph	36	Illinois	April 25, 1977	7212
Michael J. Doyle	Zeigler	Franklin	26	Illinois	April 25, 1977	7213
Russell W. Duncan	Harrisburg	Saline	26	Illinois	April 25, 1977	7214
James Eldridge	Herrin	Saline	42	Illinois	April 25, 1977	7215
Paul S. Emery	Harrisburg	Saline	45	Illinois	April 25, 1977	7216
Drew C. Estes	Murphysboro	Saline	30	Illinois	April 25, 1977	7217
Larry Lee Estes	West Frankfort	Franklin	34	Illinois	April 25, 1977	7218
Howard Gale Eubanks	Sesser	Franklin	36	Illinois	April 25, 1977	7219
Gary L. Farthing	Carrier Mills	Saline	30	Illinois	April 25, 1977	7220
Claude W. Feazel	Ridgway	Gallatin	35	Illinois	April 25, 1977	7221
Danny W. Fox	Thompsonville	Franklin	26	Illinois	April 25, 1977	7222
Lennie C. Fox	Herrin	Williamson	30	Illinois	April 25, 1977	7223
Robert E. Franklin	Tilden	Randolph	22	Illinois	April 25, 1977	7224
Sidney Dale Gilbert	Waltonville	Jefferson	47	Illinois	April 25, 1977	7225
Robert J. Glenn	Sparta	Randolph	46	Illinois	April 25, 1977	7226
Rhodie D. Goggins	Marissa	Franklin	30	Illinois	April 25, 1977	7227
Richard H. Gossett	West Frankfort	Franklin	28	Illinois	April 25, 1977	7228
William Grant	Johnston City	Williamson	40	Illinois	April 25, 1977	7229
John P. Grider, Sr.	Goreville	Johnson	34	Illinois	April 25, 1977	7230
Louis A. Grider, Jr.	Marion	Williamson	35	Illinois	April 25, 1977	7231
Lyman H. Grizzell	Royalton	Franklin	32	Illinois	April 25, 1977	7232
Rickey L. Gurley	Herrin	Williamson	25	Illinois	April 25, 1977	7233
Stephen Bruce Hamlin	Johnston City	Williamson	26	Illinois	April 25, 1977	7234
Bruce D. Harris	Thompsonville	Franklin	28	Illinois	April 25, 1977	7235
Kenneth C. Harrison	Benton	Franklin	41	Illinois	April 25, 1977	7236
Damon L. Hart	Valier	Franklin	37	Illinois	April 25, 1977	7237
Ernest E. Harvel	Cartersville	Williamson	33	Illinois	April 25, 1977	7238
Edward Willard Haynes	Cambria	Williamson	38	W. Virginia	April 25, 1977	7239
James Curtis Henson	Eldorado	Saline	23	Illinois	April 25, 1977	7240
Wendell L. Hillard	Marion	Williamson	49	Illinois	April 25, 1977	7241
James R. Hise	Eldorado	Saline	29	Illinois	April 25, 1977	7242
Donnie Ray Hoffer	Pittsburg	Williamson	27	Illinois	April 25, 1977	7243
Bobby Joe Howerton	Johnston City	Williamson	29	Illinois	April 25, 1977	7244
Charles D. Hue	Valier	Franklin	26	Illinois	April 25, 1977	7245
Wayne L. Irvin	Orient	Franklin	30	Illinois	April 25, 1977	7246
Jerry Wayne James	Allendale	Wabash	31	Illinois	April 25, 1977	7247
Ronald L. Jones	Sesser	Franklin	32	Illinois	April 25, 1977	7248
Gene E. Jordan	Pittsburg	Williamson	26	Illinois	April 25, 1977	7249
Robert E. Keller	Couttsville	Randolph	28	Illinois	April 25, 1977	7250
Eddie Lee Kellum	Herrin	Williamson	31	Arkansas	April 25, 1977	7251
Edward P. Kern	DuQuoin	Perry	26	Illinois	April 25, 1977	7252
Clay G. Killman	Stonelort	Saline	24	Illinois	April 25, 1977	7253
Arnel R. Kimbro	Ridgway	Gallatin	33	Illinois	April 25, 1977	7254
Roger D. Knew	Francisco, Ind.	Gibson	25	Indiana	April 25, 1977	7255

# STATE MINING BOARD CERTIFICATES ISSUED FOR MINE EXAMINERS—1977—(Continued)

Name	Post Office	County	Age	Birthplace	Date of examination	No. of certificate
Jimmie D. Knope	Coulterville	Randolph	29	Illinois	April 25, 1977	7256
Donald Kuhnert	Pineckneville	Perry	42	Illinois	April 25, 1977	7257
Gary McDaniel	Mt Vernon	Jefferson	27	Mississippi	April 25, 1977	7258
Richard McLain	West Frankfort	Franklin	45	Illinois	April 25, 1977	7259
Michael Robert Martin	Thompsonville	Franklin	24	Illinois	April 25, 1977	7260
Michael Meacham	O'Fallon	St. Clair	28	Illinois	April 25, 1977	7261
Charles R. Meadows	Harrisburg	Saline	32	Illinois	April 25, 1977	7262
Ronald L. Medcalf	Marissa	Washington	25	Indiana	April 25, 1977	7263
Michael A. Melson	Cello	Franklin	25	Minnesota	April 25, 1977	7264
Daniel Eugene Melvin	Eldorado	Saline	26	Pennsylvania	April 25, 1977	7265
Greg Meracle	Johnston City	Williamson	23	Illinois	April 25, 1977	7266
Philip D. Miller	Carrier Mills	Williamson	29	Illinois	April 25, 1977	7267
Russell L. Miller	Tilden	Randolph	33	Illinois	April 25, 1977	7268
Kenneth D. Millsbaugh	Equality	Gallatin	35	Illinois	April 25, 1977	7269
Greg L. Mitchell	West Frankfort	Franklin	23	Illinois	April 25, 1977	7270
Ronald J. Mitchell	Johnston City	Williamson	32	Illinois	April 25, 1977	7271
Paul W. Moak	West Frankfort	Franklin	25	Illinois	April 25, 1977	7272
William J. Moake	Johnston City	Williamson	27	Illinois	April 25, 1977	7273
Loy D. Odum	West Frankfort	Franklin	36	Illinois	April 25, 1977	7274
William C. Opp	Mulkeytown	Franklin	33	Illinois	April 25, 1977	7275
Samuel Dwight Osborn	Thompsonville	Franklin	28	Illinois	April 25, 1977	7276
John W. Owens	Harrisburg	Saline	23	Illinois	April 25, 1977	7277
Howard Pannier	Marissa	Washington	26	Illinois	April 25, 1977	7278
Richard L. Pasquino	West Frankfort	Franklin	26	Illinois	April 25, 1977	7279
James A. Patterson	Carrier Mills	Saline	33	Illinois	April 25, 1977	7280
Billy W. Pease	Sturgis, Ky	Union	26	Kentucky	April 25, 1977	7281
William A. Peebels	Pittsburg	Williamson	48	Illinois	April 25, 1977	7282
William S. Peebels	Pittsburg	Williamson	28	Illinois	April 25, 1977	7283
Terry W. Perkins	Harrisburg	Saline	30	Illinois	April 25, 1977	7284
Charles P. Phelps	Eldorado	Saline	36	Illinois	April 25, 1977	7285
John W. Pickford	Harrisburg	Saline	34	Illinois	April 25, 1977	7286
Robert H. Pilkington	Eldorado	Saline	30	Illinois	April 25, 1977	7287
Charles R. Pinkston	West Frankfort	Franklin	23	Illinois	April 25, 1977	7288
Tom Polich	Johnston	Williamson	52	Illinois	April 25, 1977	7289
Donald R. Prince	Equality	Gallatin	28	Illinois	April 25, 1977	7290
Danny J. Pritchard	West Frankfort	Franklin	28	Illinois	April 25, 1977	7291
Paul A. Pritchard	West Frankfort	Franklin	30	Illinois	April 25, 1977	7292
William Edilee Ramey	McLeansboro	Hamilton	24	Kentucky	April 25, 1977	7293
Anup R. Chowdhury	Mt. Carmel	Wabash	30	India	April 25, 1977	7294
Dennis W. Richerson	West Frankfort	Franklin	33	Illinois	April 25, 1977	7295
Sherrill D. Riggs	Shelburn, Ind.	Sullivan	25	Indiana	April 25, 1977	7296
Gary D. Roberts	Galatia	Saline	23	Illinois	April 25, 1977	7297
Howard P. Roberts	Benton	Franklin	48	Illinois	April 25, 1977	7298
Franklin D. Robey	Benton	Franklin	43	Kentucky	April 25, 1977	7299
Richard E. Rude	Harrisburg	Saline	26	Illinois	April 25, 1977	7300
Larry Gene Schleifer	Baldwin	Randolph	30	Illinois	April 25, 1977	7301
Gary P. Schulte	Belleville	St. Clair	24	Illinois	April 25, 1977	7302
Daniel Odus Selber	Marissa	Saline	29	Illinois	April 25, 1977	7303
Edwin D. Settle	Sesser	Franklin	28	Illinois	April 25, 1977	7304
Carl E. Sims	Mulkeytown	Franklin	43	Illinois	April 25, 1977	7305
Gene Sittig	Raleigh	Saline	33	Illinois	April 25, 1977	7306
Leslie Philip Sitig	Carrier Mills	Saline	29	Illinois	April 25, 1977	7307
Robert R. Skidmore	Benton	Franklin	28	Illinois	April 25, 1977	7308
Charles A. Skinner	Sparta	Randolph	46	N Carolina	April 25, 1977	7309
Edward L. Smithers	West Frankfort	Franklin	33	Illinois	April 25, 1977	7310
William D. Sneed	Mulkeytown	Franklin	30	Illinois	April 25, 1977	7311
Gilbert R. Stelhorn	Walsh	Randolph	35	Illinois	April 25, 1977	7312
David R. Sterenson	Sparta	Randolph	42	Illinois	April 25, 1977	7313
John T. Stiens	Tamaroa	Perry	34	Illinois	April 25, 1977	7314
Jimmie D. Stipes	Fairview Hts.	St. Clair	45	Illinois	April 25, 1977	7315
Robert F. Storkman	Mt. Carmel	Wabash	23	Illinois	April 25, 1977	7316
John H. Stuby	Harrisburg	Saline	27	Illinois	April 25, 1977	7317
Glenn R. Studer	Christopher	Franklin	33	Illinois	April 25, 1977	7318
James R. Sullivan	West Frankfort	Franklin	32	Illinois	April 25, 1977	7319
Stephen T. Tabor	West Frankfort	Franklin	23	Illinois	April 25, 1977	7320
Ricky G. Taborn	Carrier Mills	Saline	29	Illinois	April 25, 1977	7321
Richard L. Thompson	West Frankfort	Franklin	29	Illinois	April 25, 1977	7322
Larry D. Thuilliez	Christopher	Franklin	25	Illinois	April 25, 1977	7323
Val G. Trece	Carterville	Williamson	26	Illinois	April 25, 1977	7324
Jerry W. Uhlis	Christopher	Franklin	29	Illinois	April 25, 1977	7325
Michael Scott Urban	Royalton	Franklin	29	Illinois	April 25, 1977	7326
Donald R. Vancil	Colp	Williamson	30	Illinois	April 25, 1977	7327
Francis L. VanSickle	Eddyville, Ky	Lyon	56	Indiana	April 25, 1977	7328
Leroy Venters	Ridgway	Gallatin	47	Illinois	April 25, 1977	7329
Dennis R. Webb	Ewing	Franklin	27	Illinois	April 25, 1977	7330
James R. Williams	Harrisburg	Saline	24	Illinois	April 25, 1977	7331
Larry D. Winters	Equality	Gallatin	29	Illinois	April 25, 1977	7332
Richard L. Winning	West Frankfort	Franklin	25	Illinois	April 25, 1977	7333
Samuel T. Woods	Carterville	Williamson	28	Washington	April 25, 1977	7334

# STATE MINING BOARD CERTIFICATES ISSUED FOR MINE EXAMINERS—1977—(Continued)

Name	Post Office	County	Age	Birthplace	Date of examination	No. of certificate
Edward D. Wright	Mt. Carmel	Wabash	31	W Virginia	April 25, 1977	
Charles R. Wyatt	Harrisburg	Saline	30	Illinois	April 25, 1977	7335
Greg Thomas York	West Frankfort	Franklin	27	Illinois	April 25, 1977	7336
Thomas Lewis Zweigart	Evansville	Randolph	29	Illinois	April 25, 1977	7337
John Alaria, Jr.	Bulpitt	Christian	27	Illinois	May 11, 1977	7338
Louis David Aldridge	Taylorville	Christian	36	Illinois	May 11, 1977	7339
Larry Lee Alaria	Tovey	Christian	24	Illinois	May 11, 1977	7340
Phillip Ray Appleby	Newman	Douglas	29	Illinois	May 11, 1977	7341
Robert E. Barbe	Waggoner	Montgomery	51	Illinois	May 11, 1977	7342
Jake E. Beatty, Jr.	Ohlman	Montgomery	34	Texas	May 11, 1977	7343
William J. Beck	Greenville	Bond	25	Missouri	May 11, 1977	7344
Ted L. Berry	Villa Grove	Douglas	27	Illinois	May 11, 1977	7345
Wayne C. Blome	Taylorville	Christian	38	Illinois	May 11, 1977	7346
Michael R. Caldwell	Coffeen	Montgomery	26	Pennsylvania	May 11, 1977	7347
Donald L. Chance	Taylorville	Christian	31	Illinois	May 11, 1977	7348
Terrence L. Cox	Taylorville	Christian	30	Illinois	May 11, 1977	7349
Phillip R. Daugherty	Virdeen	Macoupin	27	Illinois	May 11, 1977	7350
John J. Davis	Staubton	Macoupin	27	Illinois	May 11, 1977	7351
Harry M. Everley	Irving	Macoupin	48	Illinois	May 11, 1977	7352
James J. Fiscor	Litchfield	Montgomery	39	Illinois	May 11, 1977	7353
Ernest Fletcher	Virdeen	Macoupin	28	Illinois	May 11, 1977	7354
Daniel G. Ganey	Carlinville	Macoupin	25	Illinois	May 11, 1977	7355
Thomas L. Garbin	Sawyererville	Macoupin	28	Illinois	May 11, 1977	7356
William G. Gordon	Newman	Douglas	45	Illinois	May 11, 1977	7357
James R. Hawk	Tuscola	Douglas	40	Illinois	May 11, 1977	7358
James E. Hurter	Taylorville	Christian	25	Illinois	May 11, 1977	7359
William Henry Jones	Taylorville	Christian	37	Illinois	May 11, 1977	7360
Earl E. Kelsheimer	Shepardsville, Ind.	Vigo (Ind.)	52	Indiana	May 11, 1977	7361
Norman N. Kirkendoll, Sr.	Kincaid	Christian	42	Illinois	May 11, 1977	7362
Terry W. Koonce	Villa Grove	Douglas	26	Tennessee	May 11, 1977	7363
Robert L. Lebschier	Edinburg	Christian	49	Illinois	May 11, 1977	7364
Michael D. Logsdon	Newman	Douglas	30	Illinois	May 11, 1977	7365
Stephen W. McKinney	Oakland	Christian	30	Missouri	May 11, 1977	7366
Dennis E. Muncy	Taylorville	Christian	31	Kentucky	May 11, 1977	7367
Freddie Ray Odum	Tovey	Christian	30	Illinois	May 11, 1977	7368
Joseph E. Page	Irving	Montgomery	32	Illinois	May 11, 1977	7369
Carl L. Randall	Coffeen	Montgomery	36	Illinois	May 11, 1977	7370
Reginald R. Reeves	Tuscola	Douglas	27	Illinois	May 11, 1977	7371
Edward E. Richards	Edinburg	Christian	43	Illinois	May 11, 1977	7372
Larry L. Richards	Edinburg	Christian	29	Illinois	May 11, 1977	7373
William L. Richards	Edinburg	Christian	35	Illinois	May 11, 1977	7374
John L. Skinnon	Newman	Douglas	27	Illinois	May 11, 1977	7375
Arnold L. Skinner	Morrissonville	Christian	45	Illinois	May 11, 1977	7376
Charles L. Stone	Taylorville	Christian	23	Illinois	May 11, 1977	7377
Randall D. Striegel	Staubton	Macoupin	28	Illinois	May 11, 1977	7378
Eugene A. Wilson	Taylorville	Christian	28	Illinois	May 11, 1977	7379
Rodney M. Wilson	Edinburg	Christian	38	Michigan	May 11, 1977	7380
Earl W. Yates	Newman	Douglas	30	Kentucky	May 11, 1977	7381
Virgil L. Chandler, Jr	Baldwin	Randolph	31	Illinois	May 11, 1977	7382
Thomas R. Allen	Gillespie	Macoupin	27	Illinois	October 25, 1977	7383
Allen Ray Arnos	Wilsonville	Macoupin	26	Indiana	October 25, 1977	7384
Donald W. Arrowsmith	Greenville	Bond	26	Canada	October 25, 1977	7385
Ronald L. Bailey	Tuscola	Douglas	36	Indiana	October 25, 1977	7386
Gary L. Baker	Kincaid	Christian	29	Illinois	October 25, 1977	7387
Henry Booth	Gillespie	Macoupin	28	Illinois	October 25, 1977	7388
Ivan D. Booth	Staubton	Macoupin	30	Illinois	October 25, 1977	7389
Louis M. Bouillon	Carlinville	Macoupin	28	Illinois	October 25, 1977	7390
David K. Brown	Waggoner	Montgomery	47	Illinois	October 25, 1977	7391
Keith D. Cameron	Pawnee	Sangamon	26	Illinois	October 25, 1977	7392
Michael J. Cavanaugh	Gillespie	Macoupin	27	Illinois	October 25, 1977	7393
Ray Anthony Caver	Shipman	Macoupin	23	Mississippi	October 25, 1977	7394
Gary L. Cole	Tuscola	Douglas	29	Illinois	October 25, 1977	7395
James E. Corbett	Kincaid	Christian	50	Illinois	October 25, 1977	7396
Donald L. Cox	Tower Hill	Shelby	37	Illinois	October 25, 1977	7397
Lonnie A. Crawford	Virdeen	Macoupin	24	Illinois	October 25, 1977	7398
Stephen C. Dawson	Carlinville	Macoupin	24	Illinois	October 25, 1977	7399
Donald Ray Dennison	Girard	Macoupin	28	Illinois	October 25, 1977	7400
Roger Kiercks	Percy	Randolph	37	Illinois	October 25, 1977	7401
Robert L. Edwards	W. Terre Haute, Ind.	Vigo	37	Illinois	October 25, 1977	7402
Gary Melton England	Taylorville	Christian	31	Indiana	October 25, 1977	7403
Kenneth S. Erb	New Athens	St. Clair	22	Colorado	October 25, 1977	7404
John A. Ferrero	Benld	Macoupin	40	Illinois	October 25, 1977	7405
Tyrr Robert Fomera	Newman	Douglas	27	Illinois	October 25, 1977	7406
John J. Fraelle, Jr.	Benld	Macoupin	27	Illinois	October 25, 1977	7407
Rickie G. Galloway	Tuscola	Douglas	23	Kentucky	October 25, 1977	7408
Roger L. Galloway	Tuscola	Douglas	22	Kentucky	October 25, 1977	7409
Kenneth D. Graham	Virdeen	Macoupin	27	Illinois	October 25, 1977	7410

# STATE MINING BOARD CERTIFICATES ISSUED FOR MINE EXAMINERS—1977—(Continued)

Name	Post Office	County	Age	Birthplace	Date of examination	No. of certificate
Robert L. Harlow	Pana	Christian	35	Illinois	October 25, 1977	7412
Clifford W. Harrell, Jr.	DuQuoin	Perry	28	Illinois	October 25, 1977	7413
Steven R. Harvey	Albion	Edwards	24	Illinois	October 25, 1977	7414
Harold E. Jones	Camargo	Douglas	50	Illinois	October 25, 1977	7415
Leland H. Juenger	Marissa	St. Clair	35	Illinois	October 25, 1977	7416
Gary O. Klotz	Hillsboro	Montgomery	29	Illinois	October 25, 1977	7417
John A. Kochinski	Benld	Macoupin	36	Illinois	October 25, 1977	7418
David E. Kornick	Gillespie	Macoupin	33	Illinois	October 25, 1977	7419
Michael A. Lamb	Pana	Christian	31	Illinois	October 25, 1977	7420
William N. Lebetter	Taylorville	Christian	29	Illinois	October 25, 1977	7421
Harley D. Lemmon	Baldwin	Randolph	29	Illinois	October 25, 1977	7422
Bobby Joe Logan	Pinckneyville	Perry	23	Illinois	October 25, 1977	7423
Donald E. Loveless, Jr.	Hettick	Macoupin	25	Illinois	October 25, 1977	7424
Edward R. Lyerla	Morrisonville	Christian	36	Illinois	October 25, 1977	7425
John McAllister	Belleville	St. Clair	29	Illinois	October 25, 1977	7426
Donnie C. Martz	Villa Grove	Douglas	33	Kentucky	October 25, 1977	7427
Leland H. Matthews	Pana	Christian	38	Illinois	October 25, 1977	7428
Charles L. Mueth	Millstadt	St. Clair	29	Illinois	October 25, 1977	7429
Robert E. Ochsnier	Belleville	St. Clair	24	S. Dakota	October 25, 1977	7430
Bill O'Guinn	Hillsboro	Montgomery	43	Illinois	October 25, 1977	7431
John G. Ondo	Sawyerille	Macoupin	25	Illinois	October 25, 1977	7432
Roger L. Patton	Marissa	St. Clair	25	Illinois	October 25, 1977	7433
Anthony Mark Pezze	Tovey	Christian	28	Illinois	October 25, 1977	7434
David C. Reid	Gillespie	Macoupin	24	Illinois	October 25, 1977	7435
Dennis A. Roberts	Litchfield	Montgomery	32	Missouri	October 25, 1977	7436
Andrew P. Robertson	Riverton	Sangamon	35	Illinois	October 25, 1977	7437
Michael A. Robinson	Newman	Douglas	26	Illinois	October 25, 1977	7438
John J. Rolando	Benld	Macoupin	30	Illinois	October 25, 1977	7439
Lendell R. Rowe	Clinton, Ind.	Vermillion	23	Virginia	October 25, 1977	7440
Jerry D. Sawyer	Mt. Olive	Macoupin	27	Illinois	October 25, 1977	7441
Dan E. Shoraga	Nokomis	Montgomery	25	Illinois	October 25, 1977	7442
James E. Smith	Verden	Macoupin	26	Illinois	October 25, 1977	7443
James Dean Smothers	Brocton	Edgar	29	Illinois	October 25, 1977	7444
Gerald V. Spurr	W. Terre Haute, Ind.	Vigo	32	Illinois	October 25, 1977	7445
Michael A. Stevens	Carlinville	Macoupin	25	Missouri	October 25, 1977	7446
Glen Oliver Suttles	Chesterfield	Macoupin	26	Illinois	October 25, 1977	7447
Gary E. Thompson	Raymond	Montgomery	27	Illinois	October 25, 1977	7448
Lester I. Thompson	Newman	Douglas	30	Illinois	October 25, 1977	7449
Edwin M. Vuichard	Sparta	Randolph	32	Missouri	October 25, 1977	7450
Del E. Wagner	Mascoutah	St. Clair	53	Illinois	October 25, 1977	7451
Lawrence W. Watson	Gillespie	Macoupin	27	Illinois	October 25, 1977	7452
Richard Mark Whiting	Belleville	St. Clair	23	Virginia	October 25, 1977	7453
James Wilhelm	Villa Grove	Douglas	26	Illinois	October 25, 1977	7454
Larry D. Wilke	Belleville	St. Clair	28	Illinois	October 25, 1977	7455
Earl Stanley Wing	Litchfield	Montgomery	24	Illinois	October 25, 1977	7456
Frank O. Wood, Jr.	Carlinville	Macoupin	25	New Jersey	October 25, 1977	7457
Kenneth Wright	Clinton, Ind.	Vermillion	33	Illinois	October 25, 1977	7458
B. Mark Aaron	Ewing	Franklin	23	Illinois	October 31, 1977	7459
Donald R. Abelin	Lenzburg	St. Clair	27	Missouri	October 31, 1977	7460
Nick C. Androvandi	Valier	Franklin	23	Illinois	October 31, 1977	7461
John W. Baker	Marion	Williamson	31	Illinois	October 31, 1977	7462
Norman A. Baker	Bonnie	Jefferson	30	Illinois	October 31, 1977	7463
Ralph L. Barnett	Harrisburg	Saline	34	Illinois	October 31, 1977	7464
Darol E. Beal	Harrisburg	Saline	31	Illinois	October 31, 1977	7465
Larry Ray Beavers	Belleville	St. Clair	25	Illinois	October 31, 1977	7466
Gary W. Bennett	Harrisburg	Saline	30	Illinois	October 31, 1977	7467
Allan W. Bourland	Equality	Gallatin	29	Illinois	October 31, 1977	7468
Robert Louis Brazier	Eldorado	Saline	38	Illinois	October 31, 1977	7469
Jack A. Bright	West Frankfort	Franklin	50	Illinois	October 31, 1977	7470
Robert E. Bright, Jr.	Zeigler	Franklin	30	Illinois	October 31, 1977	7471
James D. Britton	West Frankfort	Franklin	30	Illinois	October 31, 1977	7472
John L. Buckner	Benton	Franklin	34	Illinois	October 31, 1977	7473
John E. Burke	West Frankfort	Franklin	28	Illinois	October 31, 1977	7474
Jerry Burton	Equality	Gallatin	34	Kentucky	October 31, 1977	7475
Fredrick G. Bush	Raleigh	Saline	27	Illinois	October 31, 1977	7476
Randy L. Conner	West Frankfort	Franklin	24	Indiana	October 31, 1977	7477
Donald D. Cook	DuQuoin	Perry	46	Illinois	October 31, 1977	7478
Grant Cortelloni	Waltontville	Jefferson	28	Illinois	October 31, 1977	7479
R. Gene Culpepper	Marion	Williamson	29	Illinois	October 31, 1977	7480
David A. Cunningham	Sesser	Franklin	25	Illinois	October 31, 1977	7481
James R. Dardeen	Benton	Franklin	34	Illinois	October 31, 1977	7482
Philip G. Davis	Belleville	St. Clair	23	Illinois	October 31, 1977	7483
George K. Dawe	Valier	Franklin	28	Illinois	October 31, 1977	7484
Thomas A. Degenhardt	Oakdale	Washington	25	Illinois	October 31, 1977	7485
John Wesley Denny	Harrisburg	Saline	28	Illinois	October 31, 1977	7486
Darrell L. Duke	Harrisburg	Saline	35	Illinois	October 31, 1977	7487
James D. Dykes	Bicknell	Knox	37	Kentucky	October 31, 1977	7488
Donald L. Eberhart	West Frankfort	Williamson	25	Illinois	October 31, 1977	7489



# STATE MINING BOARD CERTIFICATES ISSUED FOR MINE EXAMINERS—1977—(Continued)

Name	Post Office	County	Age	Birthplace	Date of examination	No. of certificate
Benjamin N. Eubanks	DuQuoin	Perry	39	Illinois	October 31, 1977	7490
Eldon Ray Evans	Princeton, Ind	Gibson	27	Indiana	October 31, 1977	7491
Gary L. Evans	Herod	Pope	26	Illinois	October 31, 1977	7492
William Eyraud, Jr	Harrisburg	Saline	32	Illinois	October 31, 1977	7493
Billy Joe Farmer	Johnston City	Williamson	39	Illinois	October 31, 1977	7494
David L. Fitzpatrick	Benton	Franklin	22	Illinois	October 31, 1977	7495
Jack Paul Fourthman	Princeton, Ind	Gibson	38	Indiana	October 31, 1977	7496
Robert L. Francescon	West Frankfort	Williamson	36	Illinois	October 31, 1977	7497
Frank A. Garavalia	Royalton	Franklin	27	Illinois	October 31, 1977	7498
Richard Garbo	Herrin	Williamson	30	Illinois	October 31, 1977	7499
Jeff J. Gerlach	Sparta	Randolph	24	Illinois	October 31, 1977	7500
Minral Kanti Ghose	Mt. Carmel	Wabash	33	West Bengal	October 31, 1977	7501
Greg A. Gidcomb	Harrisburg	Saline	25	Illinois	October 31, 1977	7502
Craig Alan Gilley	Marissa	St. Clair	21	Illinois	October 31, 1977	7503
Keith John Griffin	Pinckneyville	Perry	25	Illinois	October 31, 1977	7504
Danny Gulley	Harrisburg	Saline	27	Illinois	October 31, 1977	7505
Terry D. Hall	Mulkeytown	Franklin	36	Missouri	October 31, 1977	7506
Charles P. Hankins	Harrisburg	Saline	30	Illinois	October 31, 1977	7507
Lamon D. Hart	Valer	Franklin	39	Illinois	October 31, 1977	7508
Willie J. Harthorne	Mt. Vernon	Jefferson	38	Mississippi	October 31, 1977	7509
Rickie Paul Hayes	Mt. Vernon	Jefferson	31	Illinois	October 31, 1977	7510
Steven Kent Hitt	Tamara	Perry	23	Illinois	October 31, 1977	7511
John O. Hofmann	Albers	Clinton	26	Illinois	October 31, 1977	7512
John G. Hohn	Mt. Carmel	Wabash	24	S. Dakota	October 31, 1977	7513
Roger L. Houseworth	Christopher	Franklin	30	Illinois	October 31, 1977	7514
Stanley C. Hubler	Pinckneyville	Perry	24	Illinois	October 31, 1977	7515
Michael Huggins	DuQuoin	Perry	26	Illinois	October 31, 1977	7516
Marion Sturman Hughey	Mt. Carmel	Wabash	34	Illinois	October 31, 1977	7517
Hershell Hunt, Jr.	Allendale	Wabash	32	Illinois	October 31, 1977	7518
Charles W. Hyers	Harrisburg	Saline	23	Illinois	October 31, 1977	7519
Larry Joe Jenkel	Pinckneyville	Perry	22	Illinois	October 31, 1977	7520
David W. Johnson	DuQuoin	Perry	24	Illinois	October 31, 1977	7521
Douglas E. Johnson	Belleville	St. Clair	22	New York	October 31, 1977	7522
Kenneth W. Johnson	DuQuoin	Perry	32	Ohio	October 31, 1977	7523
VOID						7524
Thomas Robert Kelley	Carrier Mills	Saline	49	Illinois	October 31, 1977	7525
Clarence E. Kincaid, Jr	Colp	Williamson	27	Illinois	October 31, 1977	7526
William E. Kinley	Johnston City	Williamson	34	Illinois	October 31, 1977	7527
Parvin E. Koker	New Burnside	Johnson	37	Kentucky	October 31, 1977	7528
Franklin Dean Krug	Mt. Carmel	Wabash	30	Illinois	October 31, 1977	7529
Dalton R. Landis	DuQuoin	Perry	39	W. Virginia	October 31, 1977	7530
John T. Lanzetta	Trenton	Clinton	27	Missouri	October 31, 1977	7531
Gary W. Lynch	Bonnie	Jefferson	25	Illinois	October 31, 1977	7532
Randall McCandless	Oakland City, Ind	Gibson	30	Indiana	October 31, 1977	7533
William E. McGlusson	Mulkeytown	Franklin	43	Illinois	October 31, 1977	7534
Jack S. McMin	Princeton, Ind	Gibson	23	Pennsylvania	October 31, 1977	7535
Terry L. Miller	Scheller	Franklin	30	Illinois	October 31, 1977	7536
Robert E. Minton	Ziegler	Franklin	23	Illinois	October 31, 1977	7537
Michael E. Mitchell	Benton	Franklin	24	Illinois	October 31, 1977	7538
Randy Mitchell	Cartersville	Williamson	29	Illinois	October 31, 1977	7539
Gregory L. Moake	Belleville	St. Clair	23	Illinois	October 31, 1977	7540
Marvin Ray Moore	Mt. Carmel	Wabash	30	Michigan	October 31, 1977	7541
Charles W. Morgan	Oakdale	Washington	27	Illinois	October 31, 1977	7542
Clinton R. Morgan	Johnston City	Williamson	27	Illinois	October 31, 1977	7543
Robert P. Mueller	Belleville	St. Clair	34	Illinois	October 31, 1977	7544
Frank D. Pasquino	Ziegler	Franklin	36	Illinois	October 31, 1977	7545
John L. Patterson	Cartersville	Williamson	47	Illinois	October 31, 1977	7546
James D. Peacock	Marion	Williamson	50	Illinois	October 31, 1977	7547
Donald R. Petrowske	Chester	Randolph	27	Illinois	October 31, 1977	7548
Marion R. Pinkston	West Frankfort	Franklin	38	Illinois	October 31, 1977	7549
Lloyd Roger Porter	DuQuoin	Perry	35	Illinois	October 31, 1977	7550
Jaye D. Poston	Marissa	St. Clair	26	Illinois	October 31, 1977	7551
Bill G. Pritchett	Harrisburg	Saline	47	Illinois	October 31, 1977	7552
Cary E. Pyska	Waltonville	Jefferson	26	Illinois	October 31, 1977	7553
Mark W. Pyska	Dubois	Washington	24	Illinois	October 31, 1977	7554
Ronald E. Qualls	Freeburg	St. Clair	22	Illinois	October 31, 1977	7555
John R. Restivo	Ziegler	Franklin	24	Illinois	October 31, 1977	7556
Gary G. Richards	Ft. Branch, Ind	Gibson	30	Wisconsin	October 31, 1977	7557
Dennis L. Robbins	Sesser	Franklin	25	Illinois	October 31, 1977	7558
Bobby G. Robinson	Herrin	Williamson	52	Illinois	October 31, 1977	7559
William F. Roesch	Thompsonville	Franklin	27	Illinois	October 31, 1977	7560
Roy L. Rowland	Christopher	Franklin	48	Illinois	October 31, 1977	7561
Benny Joe Rutherford	Shawneetown	Gallatin	27	Illinois	October 31, 1977	7562
Kenneth Ray Saul	DuQuoin	Perry	26	Illinois	October 31, 1977	7563
Gary R. Shan	Marissa	St. Clair	23	Colorado	October 31, 1977	7564
Joe Shovan, Jr.	Valer	Franklin	28	Illinois	October 31, 1977	7565
Danny W. Sizemore	DuQuoin	Perry	29	Illinois	October 31, 1977	7566
Garland E. Sizemore	Herrin	Williamson	29	Illinois	October 31, 1977	7567
James R. Smith	Marion	Williamson	32	Illinois	October 31, 1977	7568

# STATE MINING BOARD CERTIFICATES ISSUED FOR MINE EXAMINERS — 1977 — (Concluded)

Name	Post Office	County	Age	Birthplace	Date of examination	No. of certificate
Robert A. Smith, Jr.	Newman	Douglas	31	Indiana	October 31, 1977	7569
Steven Wayne Smith	Mt. Carmel	Wabash	27	Illinois	October 31, 1977	7570
Terry A. Smith	Lenzburg	St. Clair	22	Illinois	October 31, 1977	7571
George W. Sneddon, Jr.	West Frankfort	Franklin	27	Illinois	October 31, 1977	7572
Kenneth J. Stewart	Johnston City	Williamson	26	Illinois	October 31, 1977	7573
Donald R. Stowers	Zeigler	Franklin	38	Illinois	October 31, 1977	7574
Huston V. Summers	Benton	Franklin	39	Illinois	October 31, 1977	7575
Kenneth Dale Summers	West Frankfort	Franklin	28	Illinois	October 31, 1977	7576
Forrest Kent Sweat	Harrisburg	Saline	26	Illinois	October 31, 1977	7577
Ronnie L. Taylor	Benton	Franklin	24	Illinois	October 31, 1977	7578
David P. Thomas	Freeburg	St. Clair	22	Illinois	October 31, 1977	7579
James Russel Thompson	Marion	Williamson	39	Illinois	October 31, 1977	7580
Larry E. Turpin	Paroka, Ind.	Gibson	36	Indiana	October 31, 1977	7581
Robert Vans	West Frankfort	Franklin	31	Illinois	October 31, 1977	7582
Lawrence J. Walden, Jr.	Johnston City	Williamson	40	Illinois	October 31, 1977	7583
Kay R. Watkins	Thompsonville	Franklin	42	Illinois	October 31, 1977	7584
Arlen D. White	Mascoutah	St. Clair	26	Illinois	October 31, 1977	7585
Lloyd T. Wiggins	Benton	Franklin	55	Illinois	October 31, 1977	7586
Calvin C. Williams	Harrisburg	Saline	45	Illinois	October 31, 1977	7587
Garry M. Willis	Oakland City	Gibson	34	Indiana	October 31, 1977	7588
Stephen E. Willis	West Frankfort	Franklin	24	Illinois	October 31, 1977	7589
Anthony Winston	Tamaroa	Perry	25	Texas	October 31, 1977	7590
Stanley E. Wonnell II	Mt. Carmel	Wabash	21	Illinois	October 31, 1977	7591
Victor L. Wright	Bicknell, Ind.	Knox	58	Indiana	October 31, 1977	7592
James W. Zimbro	Sesser	Franklin	24	Kentucky	October 31, 1977	7593
Gregory L. Xanders	Sesser	Franklin	23	Maryland	October 31, 1977	7594
David L. Adams	W. Terre Haute, Ind.	Vigo	55	Indiana	October 31, 1977	7595

# STATE MINING BOARD CERTIFICATES ISSUED FOR ELECTRIC HOISTING ENGINEER - 1977

Name	Post Office	County	Age	Birthplace	Date of examination	No. of certificate
Dennis E. Bacon	Benton	Franklin	28	Illinois	April 26, 1977	1720
James D. Bellamy	West Frankfort	Franklin	40	Illinois	April 26, 1977	1721
Kenneth P. Bell	Mt. Vernon	Jefferson	35	Missouri	April 26, 1977	1722
Ricky W. Benedict	Sesser	Franklin	24	Illinois	April 26, 1977	1723
Kenneth D. Bond	Galatia	Saline	27	Illinois	April 26, 1977	1724
Rondall L. Childers	Mt. Vernon	Jefferson	57	Kentucky	April 26, 1977	1725
James D. Cook	West Frankfort	Franklin	41	Illinois	April 26, 1977	1726
Mark Dwayne Cook	West Frankfort	Franklin	25	Illinois	April 26, 1977	1727
Roy E. Delancy	Eldorado	Saline	40	Oklahoma	April 26, 1977	1728
Keith G. Dial	Thompsonville	Franklin	30	Illinois	April 26, 1977	1729
Louis E. Elliston	McLeansboro	Hamilton	40	Illinois	April 26, 1977	1730
George A. Fisk	Harrisburg	Saline	43	Illinois	April 26, 1977	1731
Alan Fox	Eldorado	Saline	24	Illinois	April 26, 1977	1732
Gerald T. Gooden	Cartersville	Franklin	26	Illinois	April 26, 1977	1733
James G. Hall	West Frankfort	Franklin	36	Wisconsin	April 26, 1977	1734
Ronald K. Hampton	Christopher	Franklin	23	Illinois	April 26, 1977	1735
Joseph E. Harrelson	Equality	Gallatin	52	Illinois	April 26, 1977	1736
Manon S. Hughey, Jr.	Mt. Carmel	Wabash	34	Illinois	April 26, 1977	1737
Clifford C. Kanady	Shawneetown	Gallatin	25	Illinois	April 26, 1977	1738
Owen D. Kroese	Sesser	Franklin	33	Nebraska	April 26, 1977	1739
Ronal W. Leamen	Manion	Williamson	39	Illinois	April 26, 1977	1740
Robert C. Lehman	Carnier Mills	Saline	29	New York	April 26, 1977	1741
Ira E. Liggett	Scheller	Jefferson	27	Illinois	April 26, 1977	1742
Roy M. Littlepage	Johnston City	Williamson	52	Kentucky	April 26, 1977	1743
Gary W. Lynch	Bonnie	Jefferson	24	Illinois	April 26, 1977	1744
Charles E. McPherson	Herrin	Williamson	60	Illinois	April 26, 1977	1745
Lewis B. Martin	Mulkeytown	Franklin	30	Illinois	April 26, 1977	1746
Bobby G. May	West Frankfort	Franklin	42	Illinois	April 26, 1977	1747
Charles E. Mitchell	Harrisburg	Saline	54	Illinois	April 26, 1977	1748
Michael Murphy	Herrin	Williamson	27	Illinois	April 26, 1977	1749
Delbert Glenn Nail	Nashville	Washington	30	Illinois	April 26, 1977	1750
Jerry R. Odle	West Frankfort	Franklin	34	Illinois	April 26, 1977	1751
Lewis J. Page	West Frankfort	Franklin	42	Illinois	April 26, 1977	1752
John W. Pickford	Harrisburg	Saline	34	Illinois	April 26, 1977	1753
Thomas L. Powell	Manion	Williamson	43	Illinois	April 26, 1977	1754
Roger L. Propes	Herrin	Williamson	39	Illinois	April 26, 1977	1755
Gary M. Reeder	Eldorado	Saline	35	Illinois	April 26, 1977	1756
William R. Rogers	Benton	Franklin	28	Illinois	April 26, 1977	1757
Michael S. Simpson	Eldorado	Saline	28	Illinois	April 26, 1977	1758
Tommy T. Sweeten	Mt. Vernon	Jefferson	31	Illinois	April 26, 1977	1759
Raymond G. Weathers	Benton	Franklin	48	Illinois	April 26, 1977	1760
Wayne Willmore	West Frankfort	Williamson	29	Illinois	April 26, 1977	1761
J. P. Woolard, Jr.	Eldorado	Saline	28	Illinois	April 26, 1977	1762
Charles L. Braden	Viriden	Macoupin	50	Illinois	May 12, 1977	1763
Joseph E. Caveny	Litchfield	Montgomery	48	Illinois	May 12, 1977	1764
William K. Cross	Tuscola	Douglas	27	Illinois	May 12, 1977	1765
William L. Gowans	Brighton	Macoupin	37	Illinois	May 12, 1977	1766
John A. Kochinski	Benld	Macoupin	35	Illinois	May 12, 1977	1767
Charles H. Sanson	Girard	Macoupin	34	Illinois	May 12, 1977	1768
Donald J. Smith	Viriden	Macoupin	41	Illinois	May 12, 1977	1769
Clarence A. Stocks	Johnston City	Williamson	67	Alabama	May 12, 1977	1770
Charles B. Butler	Plainview	Macoupin	26	Illinois	Oct. 26, 1977	1771
Edward R. Kotcher	Westville	Vermilion	54	Illinois	Oct. 26, 1977	1772
Anthony John Lubrant	Gillespie	Macoupin	27	Illinois	Oct. 26, 1977	1773
Douglas H. McKay	Carlinville	Macoupin	28	Illinois	Oct. 26, 1977	1774
Larry Mitchaner	Murdock	Douglas	29	Illinois	Oct. 26, 1977	1775
Herbert L. Shepherd	Litchfield	Montgomery	29	Kentucky	Oct. 26, 1977	1776
Jimmie Lynn Stinnett	Carlinville	Macoupin	34	Illinois	Oct. 26, 1977	1777
Robert Gene Stroisch	Carlinville	Macoupin	30	Illinois	Oct. 26, 1977	1778
Elmer Lee Bates	Sesser	Franklin	45	Illinois	Nov. 1, 1977	1779
Kelly Joe Beal	Harrisburg	Saline	23	Illinois	Nov. 1, 1977	1780
Kenneth Eugene Bloom	Sesser	Franklin	36	Ohio	Nov. 1, 1977	1781
Robert E. L. Burchfield	W. Frankfort	Franklin	24	Mississippi	Nov. 1, 1977	1782
Don L. Cruz	Benton	Franklin	28	Illinois	Nov. 1, 1977	1783
Larry Dean Dodd	Johnston City	Williamson	35	Illinois	Nov. 1, 1977	1784
James L. Eader	W. Frankfort	Franklin	42	Illinois	Nov. 1, 1977	1785
Mathew G. Eilers, Jr.	Mt. Vernon	Jefferson	23	Missouri	Nov. 1, 1977	1786
Jack D. Gilbert	Mt. Vernon	Jefferson	31	Illinois	Nov. 1, 1977	1787
Allen L. Haley	Waltonville	Jefferson	30	Illinois	Nov. 1, 1977	1788
Jackie Ray Hampton	W. Frankfort	Franklin	24	Illinois	Nov. 1, 1977	1789
Ronald A. High	Manion	Williamson	30	Illinois	Nov. 1, 1977	1790
Keith R. Honey	Mt. Vernon	Jefferson	24	Montana	Nov. 1, 1977	1791
Richard Johnson	DuQuoin	Perry	30	Ohio	Nov. 1, 1977	1792
Larry D. King	Manion	Williamson	30	Illinois	Nov. 1, 1977	1793
Laven King	Manion	Williamson	53	Illinois	Nov. 1, 1977	1794
Michael Kinkade	Mulkeytown	Franklin	25	Illinois	Nov. 1, 1977	1795

# STATE MINING BOARD CERTIFICATES ISSUED FOR ELECTRIC HOISTING ENGINEER—1977—(Concluded)

Name	Post Office	County	Age	Birthplace	Date of examination	No. of certificate
Kern L. Kirk	Logan	Franklin	33	Illinois	Nov. 1, 1977	1796
James F. Lockart	Bresse	Clinton	39	Illinois	Nov. 1, 1977	1797
Bobby Joe Logan	Pinckneyville	Perry	23	Illinois	Nov. 1, 1977	1798
Robert McCoy	Coulterville	Randolph	47	Mass.	Nov. 1, 1977	1799
Darrel F. Mays	Mt. Vernon	Jefferson	25	Illinois	Nov. 1, 1977	1800
James P. Middleton	Nashville	Washington	24	Illinois	Nov. 1, 1977	1801
Michael William Riley	Mt. Vernon	Jefferson	28	Illinois	Nov. 1, 1977	1802
Kenneth B. Rumsey	Benton	Franklin	31	Illinois	Nov. 1, 1977	1803
Thomas S. Sears	Benton	Franklin	31	Illinois	Nov. 1, 1977	1804
Michael E. Thomas	W. Frankfort	Franklin	25	Illinois	Nov. 1, 1977	1805
Michael Ray Tite	Eldorado	Saline	22	Illinois	Nov. 1, 1977	1806
John Hansford Toms	Benton	Franklin	29	Illinois	Nov. 1, 1977	1807
James L. Veach	Valier	Franklin	25	Illinois	Nov. 1, 1977	1808
Brandon Webster	Benton	Franklin	23	Illinois	Nov. 1, 1977	1809
George A. Wiggins	Benton	Franklin	31	Illinois	Nov. 1, 1977	1810
Robert Kendall York	W. Frankfort	Franklin	31	Illinois	Nov. 1, 1977	1811
Paul W. Yadro	W. Frankfort	Franklin	43	Illinois	Nov. 1, 1977	1812
David L. Durst	Sparta	Randolph	29	Missouri	Nov. 1, 1977	1813

STATE MINING BOARD CERTIFICATES ISSUED FOR  
STATE MINE INSPECTOR—1977  
METAL MINES

Name	Post Office	County	Age	Birthplace	Date of examination	No. of certificate
O. Dutton Randall	Cave-in-Rock	Hardin	39	Illinois	April 25 & 26, 1977	23
Larry B. Gustin	Elizabethtown	Hardin	35	Illinois	April 25 & 26, 1977	24
James W. Vaughn	Elizabethtown	Hardin	50	Illinois	April 25 & 26, 1977	25

STATE MINING BOARD CERTIFICATES ISSUED FOR  
STATE METAL MINE FOREMAN—1977

Name	Post Office	County	Age	Birthplace	Date of examination	No. of certificate
Mitchel Leon Jenkins	Elizabethtown	Hardin	26	Illinois	April 25, 1977	109
Larry D. Brugger	Cave-in-Rock	Hardin	35	Illinois	Oct 31, 1977	110
Michael G. Miles	Herod	Hardin	24	Illinois	Oct 31, 1977	111
John C. Morrissey IV	Harrisburg	Saline	30	Missouri	Oct 31, 1977	112

STATE MINING BOARD CERTIFICATES ISSUED FOR  
ELECTRIC HOISTING ENGINEER—1977  
METAL MINES

Name	Post Office	County	Age	Birthplace	Date of examination	No. of certificate
Rocco L. Foster	Cave-in-Rock	Hardin	23	Illinois	April 26, 1977	1589
Harold E. Miller	Rosiclare	Hardin	26	Wisconsin	Oct 31, 1977	1590
Thomas W. Vinyard	Elizabethtown	Hardin	21	Illinois	Oct 31, 1977	1591

# STATE MINING BOARD CERTIFICATES ISSUED FOR SURFACE MINE SUPERVISOR — 1977

Name	Post Office	County	Age	Birthplace	Date of examination	No. of certificate
G. B. Wiley	Harrisburg	Saline	62	Illinois	June 6, 1977	1
Charles L. Abbott	Macomb	McDonough	49	Minnesota	June 9, 1977	2
Harvin D. Ackerman	Pinckneyville	Perry	28	Illinois	June 9, 1977	3
Stephen K. Adkison	Galva	Henry	24	Missouri	June 10, 1977	4
Dennis H. Agne	Belleville	St. Clair	50	Illinois	June 6, 1977	5
Marlin D. Albert	New Athens	St. Clair	42	Illinois	June 6, 1977	6
Bob E. Allen	DuQuoin	Perry	49	Illinois	June 6, 1977	7
Douglas W. Alred	Carbondale	Jackson	28	Illinois	June 6, 1977	8
George Alsobrooks	Benton	Franklin	40	Tennessee	June 6, 1977	9
Glenn E. Alstat	Murphysboro	Jackson	42	Illinois	June 6, 1977	10
William Amsler	Cuba	Fulton	50	Illinois	June 10, 1977	11
Edgar E. Anderson	Elkville	Jackson	43	Illinois	June 7, 1977	12
Frederick C. Anderson	Farmington	Fulton	34	Illinois	June 10, 1977	13
John W. Anderson	Laura	Peoria	31	Illinois	June 9, 1977	14
Robert R. Anderson	Sparta	Randolph	37	Illinois	June 6, 1977	15
Larry Angelly	Harrisburg	Saline	26	Illinois	June 6, 1977	16
Carl J. Anstett	Canton	Fulton	28	Illinois	June 10, 1977	17
Dave Arnold	Harrisburg	Saline	29	Illinois	June 7, 1977	18
Eugene J. Babicz	Murphysboro	Jackson	28	Ohio	June 6, 1977	19
Bernard L. Baker	Pinckneyville	Perry	37	Illinois	June 7, 1977	20
Paul Brandon Barber	Sparta	Randolph	25	Illinois	June 7, 1977	21
John H. Bartgis, Jr.	Benton	Franklin	53	W. Virginia	June 6, 1977	22
John S. Baylon	Cuba	Fulton	27	Illinois	June 9, 1977	23
Jon R. Beckett	Freeburg	St. Clair	22	Ohio	June 6, 1977	24
Francis Beckman	Canton	Fulton	57	Iowa	June 10, 1977	25
Tom Beggs	Harrisburg	Saline	29	Illinois	June 6, 1977	26
Kenneth W. Bell	DuQuoin	Perry	37	Illinois	June 6, 1977	27
Miles W. Bell	Carbondale	Jackson	60	W. Virginia	June 6, 1977	28
Jerry J. Belville	Farmington	Fulton	40	Illinois	June 10, 1977	29
Larry E. Belville	Lewistown	Fulton	20	Illinois	June 10, 1977	30
Bradford D. Berger	DuQuoin	Perry	28	Illinois	June 6, 1977	31
Bernard L. Bhear	Toulon	Stark	52	Illinois	June 10, 1977	32
Richard L. Bhear	London Mills	Fulton	28	Illinois	June 10, 1977	33
Dale C. Biby	Pinckneyville	Perry	56	Illinois	June 7, 1977	34
Robert F. Bielefeld	Prairie DuRocher	Randolph	39	Illinois	June 6, 1977	35
C. Kim Bigham	Benton	Franklin	32	Illinois	June 6, 1977	36
Stephen G. Bigham	Pinckneyville	Perry	29	Illinois	June 7, 1977	37
Bill G. Bills	Farmington	Fulton	39	Illinois	June 9, 1977	38
Allan Birkner	New Athens	St. Clair	37	Illinois	June 6, 1977	39
Thomas V. Black	Canton	Fulton	49	Kentucky	June 9, 1977	40
Stanley E. Blackwell	Baldwin	Randolph	22	Illinois	June 6, 1977	41
George R. Blair	Campbell Hill	Jackson	32	Illinois	June 7, 1977	42
Jimmie L. Boatright	Carner Mills	Saline	44	Illinois	June 6, 1977	43
Clyde Russel Bock	Victoria	Knox	51	Illinois	June 10, 1977	44
James L. Boggess	Steeleville	Randolph	44	Kentucky	June 7, 1977	45
Richard W. Boggis	Elkville	Jackson	35	Illinois	June 7, 1977	46
Mark A. Bolton	Trivoli	Peoria	30	Illinois	June 10, 1977	47
Kenneth D. Bond	Galatia	Saline	27	Illinois	June 7, 1977	48
Robert M. Boone	Lewistown	Fulton	62	Kansas	June 9, 1977	49
William F. Bourg, II	Belle Rive	Jefferson	32	Kansas	June 7, 1977	50
William G. Bowling	O'Fallon	Sinclair	22	Kentucky	June 6, 1977	51
Clifford R. Bradley	Steeleville	Randolph	29	Missouri	June 7, 1977	52
Lan Bradley	Shawneetown	Gallatin	29	Illinois	June 7, 1977	53
Earl J. Beashear	Steeleville	Randolph	34	Illinois	June 7, 1977	54
Edward Everett Bridges	Tamaroa	Perry	35	Illinois	June 6, 1977	55
Kevin W. Brooks	Canton	Fulton	25	Illinois	June 9, 1977	56
John T. Brown	Harrisburg	Saline	39	Illinois	June 6, 1977	57
Merle A. Brown	Elmwood	Peoria	59	Illinois	June 10, 1977	58
Norman E. Brown	Christopher	Franklin	35	Illinois	June 6, 1977	59
Philip E. Brown	Eldorado	Saline	37	Illinois	June 6, 1977	60
Roger D. Brown	DuQuoin	Perry	31	Michigan	June 6, 1977	61
J. Eldon Bryant	Ava	Jackson	39	Illinois	June 7, 1977	62
William E. Bucher	Astoria	Fulton	40	Illinois	June 9, 1977	63
James B. Buckner	Carner Mills	Saline	33	Illinois	June 6, 1977	64
Howard C. Buehler	Belleville	St. Clair	48	Illinois	June 6, 1977	65
Edwin Bull II	Canton	Fulton	23	Illinois	June 9, 1977	66
James J. Burk	New Athens	St. Clair	41	Illinois	June 7, 1977	67
Gary R. Burks	Carbondale	Jackson	22	Indiana	June 6, 1977	68
James L. Burks	Carbondale	Jackson	49	Indiana	June 6, 1977	69
Vernon A. Burton	West Frankfort	Franklin	63	Kentucky	June 7, 1977	70
Lloyd Earl Butler	DuQuoin	Perry	43	N. Carolina	June 7, 1977	71
Alan Byrd	Steeleville	Randolph	27	Illinois	June 6, 1977	72
Edward Dale Byrd	Percy	Randolph	55	Illinois	June 6, 1977	73
George Lyle Byrd	Willisville	Perry	59	Illinois	June 7, 1977	74
Richard Cain	Mascoutah	St. Clair	26	Illinois	June 7, 1977	75
Phillip Ray Camden	Benton	Franklin	24	Indiana	June 7, 1977	76
Rex H. Camden	McLeansboro	Hamilton	43	Indiana	June 7, 1977	77
Davis Campbell	Lewistown	Fulton	57	Illinois	June 10, 1977	78
Vernon R. Cane	Steeleville	Randolph	39	Illinois	June 6, 1977	79

# STATE MINING BOARD CERTIFICATES ISSUED FOR SURFACE MINE SUPERVISOR—1977—(Continued)

Name	Post Office	County	Age	Birthplace	Date of examination	No. of certificate
Dudley M. Cantrell	Marion	Williamson	32	Illinois	June 7, 1977	80
Charles Caplinger	Murphysboro	Jackson	27	Illinois	June 6, 1977	81
Robert J. Cebuhar	Canton	Fulton	24	Illinois	June 10, 1977	82
Robert Champlin	Benton	Franklin	50	Illinois	June 6, 1977	83
J. Vernel Choate	Marion	Williamson	57	Illinois	June 7, 1977	84
Glendal Eugene Church	Steeleville	Randolph	31	Illinois	June 6, 1977	85
Donald G. Churchill	Tamaraa	Perry	46	Illinois	June 7, 1977	86
Howard M. Clark	DuQuoin	Perry	58	Illinois	June 10, 1977	87
Forbes Clarke, Jr.	Canton	Fulton	49	W Virginia	June 9, 1977	88
Robert F. Clayberg	Cuba	Fulton	42	Illinois	June 9, 1977	89
Ronald M. Clayberg	Havana	Mason	38	Illinois	June 10, 1977	90
Harrison L. Clift	Harrisburg	Saline	34	Illinois	June 6, 1977	91
Charles R. Clinton	Pinckneyville	Perry	51	Penn.	June 6, 1977	92
Garnett L. Cochran	Herrin	Williamson	56	Illinois	June 6, 1977	93
Rayburn J. Coleman	Percy	Randolph	38	Illinois	June 7, 1977	94
Wendell E. Coleman	Percy	Randolph	50	Illinois	June 10, 1977	95
W. Eugene Coleman	Canton	Fulton	49	Illinois	June 7, 1977	96
Dale R. Coleno	Clem Collins	Randolph	27	Illinois	June 6, 1977	97
Robert Conner, Jr.	Canton	Fulton	46	Kentucky	June 7, 1977	98
Gene Conte	DuQuoin	Perry	25	Illinois	June 9, 1977	99
Bob Conte	DuQuoin	Perry	40	Illinois	June 6, 1977	100
Jerome E. Cook	Sparta	Randolph	32	Illinois	June 6, 1977	101
Berwyn Cooper	Canton	Fulton	26	Missouri	June 6, 1977	102
Willard L. Corn	Astoria	Fulton	60	Illinois	June 10, 1977	103
Charles E. Cox	Ridgway	Gallatin	59	Kentucky	June 9, 1977	104
Claude Richard Cox	DuQuoin	DuQuoin	39	W Virginia	June 7, 1977	105
James E. Cox	Shawneetown	Gallatin	37	Illinois	June 7, 1977	106
Ralph L. Cox	Lewistown	Fulton	41	Illinois	June 10, 1977	107
William R. Cox	Farmview	Fulton	43	Illinois	June 9, 1977	108
Tim L. Coziar	Galesburg	Knox	27	Illinois	June 9, 1977	109
Dewey D. Crabtree	Murphysboro	Jackson	38	Illinois	June 7, 1977	110
Jeff Crabtree	Jackson	Jackson	33	Illinois	June 6, 1977	111
Don Craig	Steeleville	Perry	42	Illinois	June 7, 1977	112
Douglas H. Craig	Ray Creek	Randolph	47	Illinois	June 7, 1977	113
Philip G. Creek	Herrin	Williamson	60	Illinois	June 6, 1977	114
Robert E. Crouse	Marissa	St. Clair	44	Illinois	June 7, 1977	115
John P. Crowe	Freeburg	St. Clair	41	Illinois	June 7, 1977	116
Eugene R. Crum	Astoria	Fulton	48	Indiana	June 10, 1977	117
Dayton Dallas	Eldorado	Saline	55	Illinois	June 7, 1977	118
Melvin L. Darnell	DuQuoin	Perry	53	Kentucky	June 7, 1977	119
James M. Darter	Onond	Williamson	35	Illinois	June 6, 1977	120
Alfred Ots Datt	Millstadt	Franklin	49	Illinois	June 7, 1977	121
Dennis Davis	Murphysboro	St. Clair	27	Kentucky	June 6, 1977	122
James K. Davis	Murphysboro	Jackson	30	Illinois	June 6, 1977	123
James R. Davis	Farmington	Jackson	55	Illinois	June 7, 1977	124
John W. Davis	Belleville	St. Clair	21	Illinois	June 10, 1977	125
Philip G. Davis	Belleville	St. Clair	23	Illinois	June 7, 1977	126
William H. Davis	DuQuoin	Perry	52	Illinois	June 7, 1977	127
Thomas E. Davison, Jr.	DuQuoin	Perry	45	Illinois	June 6, 1977	128
Thomas E. Davison, Sr.	DuQuoin	Perry	59	Illinois	June 6, 1977	129
Carl Day	Lewistown	Fulton	42	Illinois	June 9, 1977	130
William V. Debra	St. Jacob	Madison	47	Illinois	June 6, 1977	131
Terry L. DeClerca	Kewanee	Henry	33	Illinois	June 9, 1977	132
Gary R. Degenhardt	Ava	Jackson	39	Illinois	June 7, 1977	133
Robert G. Dehler	Belleville	St. Clair	23	Illinois	June 7, 1977	134
Terrence D. Del Bosco	Murphysboro	Jackson	34	Illinois	June 7, 1977	135
Curtis Wayne Dement	Harrisburg	Saline	43	Kentucky	June 7, 1977	136
Donald R. Deppe	Percy	Randolph	52	Illinois	June 7, 1977	137
ee Charles Deutschman	New Athens	St. Clair	44	Illinois	June 6, 1977	138
John T. Devere	Canton	Fulton	34	Arizona	June 6, 1977	139
William J. DeVous	Ridgway	Gallatin	28	Illinois	June 6, 1977	140
loyd N. Dierdorff	Galesburg	Knox	45	Indiana	June 10, 1977	141
James H. Doer	DuQuoin	Perry	48	Illinois	June 6, 1977	142
Robert D. Dollar	Farmington	Fulton	47	Mississippi	June 10, 1977	143
Don R. Donnell	Pinckneyville	Perry	44	Illinois	June 6, 1977	144
Thomas Lee Dooley	Percy	Randolph	27	Illinois	June 6, 1977	145
ohnnie Dorich	DuQuoin	Fulton	59	Illinois	June 10, 1977	146
rancis Douglas	Canton	Perry	47	Tennessee	June 6, 1977	147
ohn L. Douglass	Fulton	Fulton	35	Illinois	June 10, 1977	148
ward W. Downen	Omaha	Gallatin	46	Illinois	June 6, 1977	149
onald B. Duffie	Cuba	Fulton	30	Illinois	June 9, 1977	150
chard V. Dulle	Pinckneyville	Perry	27	Illinois	June 6, 1977	151
ay B. Duncan	Canton	Fulton	49	Alabama	June 9, 1977	152
oger L. Dunham, Sr.	Cuba	Fulton	39	Illinois	June 10, 1977	153
omas L. Durbin	Carbondale	Jackson	59	Ohio	June 7, 1977	154
ary W. Edmondson	Mt. Vernon	Jefferson	27	Illinois	June 6, 1977	155
ian Dee Edmondson	Jasonville, Ind.	Greene	19	Indiana	June 7, 1977	156
arrel Eggemeyer	Chester	Randolph	28	Illinois	June 6, 1977	157
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# STATE MINING BOARD CERTIFICATES ISSUED FOR SURFACE MINE SUPERVISOR—1977—(Continued)

Name	Post Office	County	Age	Birthplace	Date of examination	No. of certificate
James D. Ehrenhart	Steeleville	Randolph	33	Illinois	June 6, 1977	159
Mannie J. Eickmeier	Peoria	Peoria	40	Illinois	June 9, 1977	160
Wayne A. Eldridge	Steeleville	Randolph	28	Illinois	June 6, 1977	161
Dennis Wm. Ellledge	DuQuoin	Perry	40	Illinois	June 7, 1977	162
Jeffrey L. Ellisworth	Cuba	Fulton	24	Illinois	June 10, 1977	163
Carroll G. Embry	Harrisburg	Saline	34	Kentucky	June 6, 1977	164
Randall F. Ennis	Steeleville	Randolph	31	Missouri	June 6, 1977	165
Steve Roy Erdmann	Tamaroa	Perry	26	S. Dakota	June 7, 1977	166
Oscar W. Ernst	DuQuoin	Perry	56	Illinois	June 7, 1977	167
Boyd B. Evans	Fairview	Fulton	47	Iowa	June 10, 1977	168
Tom Fearheilly	Harrisburg	Saline	29	Illinois	June 6, 1977	169
David A. Fengel	Maquon	Knox	25	Illinois	June 10, 1977	170
Edward L. Fidler	Canton	Fulton	25	Illinois	June 10, 1977	171
Bruce H. Fiene	Steeleville	Randolph	30	Illinois	June 6, 1977	172
Kenneth A. Fisher	Vergennes	Jackson	30	Illinois	June 6, 1977	173
Laurence E. Fisher	Fairview	Fulton	64	Illinois	June 9, 1977	174
Randall L. Fitch	Elmwood	Peoria	27	Illinois	June 9, 1977	175
J. A. Floming	Atkinson	Henry	57	Illinois	June 9, 1977	176
George R. Ford	Smithfield	Fulton	32	Illinois	June 10, 1977	177
Melvin E. Ford	Canton	Fulton	47	Illinois	June 10, 1977	178
Randall E. Foutch	Astoria	Fulton	26	Illinois	June 10, 1977	179
Rodger E. Fox	Harrisburg	Saline	34	Illinois	June 6, 1977	180
Thomas O. Fox	Harrisburg	Saline	30	Illinois	June 7, 1977	181
D. Michael Francois	DuQuoin	Perry	24	Illinois	June 7, 1977	182
Lonnie R. Fulkerson	Willisville	Perry	33	Kentucky	June 6, 1977	183
Virgil Furlow	Harrisburg	Saline	58	Illinois	June 7, 1977	184
Chester E. Gaines	New Athens	St. Clair	53	Missouri	June 7, 1977	185
James L. Gibson	Sparta	Randolph	41	Missouri	June 6, 1977	186
Marvin A. Gielow	Steeleville	Randolph	34	Illinois	June 7, 1977	187
Vernon A. Gielow	Pinckneyville	Perry	41	Illinois	June 6, 1977	188
Robert D. Gilstrap	Farmington	Fulton	39	Missouri	June 9, 1977	189
Larry T. Glasco	DeSoto	Jackson	27	Illinois	June 7, 1977	190
Robert C. Gordon	Sparta	Randolph	58	Ohio	June 6, 1977	191
Robert M. Gossman	Adair	McDonough	26	Indiana	June 9, 1977	192
Norman David Graham	Murphysboro	Jackson	53	Scotland	June 7, 1977	193
Jon B. Graskewicz	Pinckneyville	Perry	29	Illinois	June 9, 1977	194
Larry J. Green	Harrisburg	Saline	33	Indiana	June 6, 1977	195
Maurice Duane Green	Mt. Vernon	Jefferson	25	Illinois	June 6, 1977	196
Ralph J. Green	Hillsboro	Montgomery	53	Illinois	June 9, 1977	197
Richard Lee Green	Steeleville	Randolph	43	Illinois	June 7, 1977	198
Roger Louis Green	Murphysboro	Jackson	34	Illinois	June 6, 1977	199
Charles R. Greenwood	Steeleville	Randolph	40	Indiana	June 6, 1977	200
Kenneth L. Gremmels	Percy	Randolph	34	Illinois	June 7, 1977	201
Paul Wayne Gremmels	Steeleville	Randolph	35	Illinois	June 6, 1977	202
James R. Griffin	Pittsburg	Williamson	35	Illinois	June 6, 1977	203
Carl Griffiths	Harrisburg	Saline	47	Illinois	June 7, 1977	204
James William Grimm	Elmwood	Peoria	28	Wisconsin	June 10, 1977	205
Charles E. Gude	Colp	Williamson	33	Illinois	June 7, 1977	206
Robert Wayne Hale	Belleville	St. Clair	31	Illinois	June 6, 1977	207
Marvin D. Hall	Cuba	Fulton	42	Illinois	June 9, 1977	208
Arlie E. Halsey	Gilson	Knox	34	Illinois	June 9, 1977	209
Karl Joest Hammann	Herrin	Williamson	37	Illinois	June 7, 1977	210
Gary W. Hanebrink	DuQuoin	Perry	26	Illinois	June 6, 1977	211
Don H. Hanft	Mt. Vernon	Jefferson	26	Illinois	June 9, 1977	212
Theodore L. Hanks	Barton	Franklin	32	Indiana	June 7, 1977	213
Steve Harper	Canton	Fulton	23	Illinois	June 9, 1977	214
Milford V. Harrell	Mt. Vernon	Jefferson	52	Illinois	June 6, 1977	215
Robert A. Hartstirn	Galva	Henry	33	Illinois	June 9, 1977	216
Robert L. Hastings	Pinckneyville	Perry	43	Illinois	June 6, 1977	217
Warren R. Hattendorf	Cuba	Fulton	37	Illinois	June 10, 1977	218
Larry Eugene Hawkins	Pinckneyville	Perry	29	Illinois	June 7, 1977	219
William R. Hawthorne	Sparta	Randolph	42	Ohio	June 6, 1977	220
Raymond C. Haynes	Mt. Vernon	Jefferson	42	Kentucky	June 7, 1977	221
Robert M. Head	Shawneetown	Gallatin	24	Illinois	June 7, 1977	222
James Ernest Hedrick	Steeleville	Randolph	36	Illinois	June 7, 1977	223
Keith D. Heier	Astoria	Fulton	25	New York	June 10, 1977	224
Jerry L. Heller	Canton	Fulton	35	Illinois	June 10, 1977	225
Ralph W. Hemmer	DuQuoin	Perry	41	Illinois	June 6, 1977	226
James L. Henderson	Galesburg	Knox	32	Illinois	June 10, 1977	227
Paul K. Henderson	Canton	Fulton	58	Illinois	June 9, 1977	228
Joseph A. Hennings	Vermont	McDonough	34	Minnesota	June 9, 1977	229
Joel W. Hentzel	Freeburg	St. Clair	22	Illinois	June 6, 1977	230
Herbert C. Herges	Mascoutah	St. Clair	51	Minnesota	June 7, 1977	231
Michael C. Herges	Mascoutah	St. Clair	23	Minnesota	June 7, 1977	232
Robert L. Herink	Vermont	Fulton	26	Illinois	June 10, 1977	233
Cornelius L. Herrman	Glasford	Peoria	38	Illinois	June 9, 1977	234
Thomas C. Heyn	Peoria	Peoria	30	Oregon	June 9, 1977	235
Wilmer R. Hezlep	Canton	Fulton	60	Illinois	June 10, 1977	236
Jackie Paul Hickman	DuQuoin	Perry	37	Kentucky	June 7, 1977	237



# STATE MINING BOARD CERTIFICATES ISSUED FOR SURFACE MINE SUPERVISOR—1977—(Continued)

Name	Post Office	County	Age	Birthplace	Date of examination	No. of certificate
Julian L. Hickman	Elisville	Fulton	46	Illinois	June 10, 1977	238
Donald Jacob Hill	New Baden	Clinton	38	Indiana	June 7, 1977	239
Gerald Edwin Hill	Pinckneyville	Perry	46	Illinois	June 6, 1977	240
Raymond C. Hobbs	DuQuoin	Perry	40	Illinois	June 7, 1977	241
Robert D. Hoffmann	Marissa	St. Clair	53	Illinois	June 7, 1977	242
Stephen W. Hoffman	Macomb	McDonough	34	Indiana	June 9, 1977	243
Kentland Dee Holcomb	DeSoto	Jackson	24	Indiana	June 7, 1977	244
Clarence D. Holiday	Coulterville	Randolph	29	Illinois	June 7, 1977	245
William G. Holmes	Marion	Williamson	31	Illinois	June 6, 1977	246
Peter F. Homoya, Sr.	Cartersville	Williamson	58	Illinois	June 6, 1977	247
Leland E. Hoover	Fairview	Fulton	52	Iowa	June 10, 1977	248
Elis D. Houchin	Dowell	Jackson	51	Indiana	June 6, 1977	249
Larry R. Houchins	Chandler, Ind.	Saline	37	Indiana	June 7, 1977	250
Larry E. Hudson	Canton	Fulton	33	Illinois	June 9, 1977	251
William B. Huggins	Fairview	Fulton	58	Texas	June 9, 1977	252
Bruce H. Huntley	DuQuoin	Perry	27	Illinois	June 7, 1977	253
Loyde C. Hyde	Percy	Randolph	31	Alabama	June 6, 1977	254
James A. Jackson	Carbondale	Jackson	23	Illinois	June 7, 1977	255
Leonard Jackson	Carrier Mills	Saline	38	Illinois	June 6, 1977	256
Donald K. James	Cuba	Fulton	54	Illinois	June 10, 1977	257
Thomas E. Johns	Milstadt	St. Clair	47	Missouri	June 7, 1977	258
James T. Johnson	Carbondale	Jackson	55	Missouri	June 7, 1977	259
Jed L. Johnson	Fairview	Fulton	24	Kentucky	June 9, 1977	260
Ray H. Johnson	Farmington	Fulton	37	Illinois	June 7, 1977	261
Ronald T. Johnston	Murphysboro	Jackson	33	Illinois	June 6, 1977	262
Carl C. Jones	Tamaroa	Perry	50	Illinois	June 7, 1977	263
Clyde E. Juenger	Marissa	Washington	46	Illinois	June 6, 1977	264
James V. Kaiser	New Athens	St. Clair	27	Illinois	June 7, 1977	265
John F. Kauzlaric	Marion	Williamson	59	Illinois	June 6, 1977	266
Steve Kehrer	Baldwin	Randolph	26	Illinois	June 7, 1977	267
Raymond G. Keiner	DuQuoin	Perry	60	Illinois	June 7, 1977	268
Ronald A. Keller	DuQuoin	Perry	32	Illinois	June 7, 1977	269
Carroll D. Keltner	Harrisburg	Saline	24	Illinois	June 6, 1977	270
Dan L. Kepple	Farmington	Fulton	46	Illinois	June 10, 1977	271
Thomas F. Kewish	Galva	Henry	31	Illinois	June 10, 1977	272
Robert J. Kidd, Jr.	Ellis Grove	Randolph	27	W. Virginia	June 7, 1977	273
Everett J. Kiehna	Pinckneyville	Perry	38	Illinois	June 7, 1977	274
Robert L. Kinney	Elmwood	Peoria	24	Illinois	June 10, 1977	275
Charles A. Kisor	Evansville	Randolph	35	Illinois	June 7, 1977	276
W. Dean Klingenberg	Pinckneyville	Perry	50	Illinois	June 7, 1977	277
George N. Knight	Galatia	Saline	31	Illinois	June 6, 1977	278
Samuel L. Knight	Thompsonville	Franklin	58	Nebraska	June 7, 1977	279
Dale T. Knowles	Canton	Fulton	53	Illinois	June 10, 1977	280
Richard C. Koch	Opdyke	Jefferson	29	Illinois	June 7, 1977	281
Richard Kolowski	Hanna City	Peoria	21	Ohio	June 10, 1977	282
William K. Kopshever	Pinckneyville	Perry	30	Iowa	June 6, 1977	283
Steven L. Korth	Trivoli	Peoria	22	Illinois	June 10, 1977	284
Ralph G. Krazier	DuQuoin	Perry	58	Illinois	June 7, 1977	285
Francis E. Krohe	Cuba	Fulton	47	Illinois	June 10, 1977	286
Kenneth Kuykendall	Marion	Williamson	57	Iowa	June 7, 1977	287
David R. Renner	Farmington	Fulton	34	Illinois	June 10, 1977	288
John Lamoreaux	Marissa	St. Clair	58	Illinois	June 7, 1977	289
Edgar R. Lance	Sparta	Randolph	36	Illinois	June 7, 1977	290
Glen Lane	Carrier Mills	Saline	59	Illinois	June 6, 1977	291
Mack T. Lannom	Carbondale	Jackson	52	Illinois	June 6, 1977	292
Gregory J. Larson	Pinckneyville	Perry	26	New York	June 7, 1977	293
Richard L. Lawrence	Harrisburg	Saline	41	Illinois	June 7, 1977	294
Steven T. Lazenby	Tamaroa	Perry	24	Illinois	June 7, 1977	295
Floyd W. Lee	Oakwood	Vermilion	50	America	June 8, 1977	296
Wilbur J. Lee	Marissa	St. Clair	49	Illinois	June 6, 1977	297
Rollin L. Leezer	Lewistown	Fulton	50	Illinois	June 9, 1977	298
William A. Lemons	Sesser	Franklin	57	Illinois	June 6, 1977	299
Charles F. Leonard	Tamaroa	Perry	26	Illinois	June 6, 1977	300
Ronald E. Leonard	Marissa	St. Clair	35	Illinois	June 7, 1977	301
Randy R. Lewis	Williamsville	Knox	23	Illinois	June 10, 1977	302
Tim R. Lewis	Ina	Jefferson	28	Illinois	June 6, 1977	303
David LeRoy Lidwell	Canton	Fulton	32	California	June 9, 1977	304
Robert Linder	Mascoutah	St. Clair	25	Illinois	June 7, 1977	305
Robert Link, Jr.	Sparta	Randolph	24	Illinois	June 7, 1977	306
Gil Litteken	New Athens	St. Clair	43	Missouri	June 6, 1977	307
Phillip L. Little	Marion	Williamson	46	Illinois	June 5, 1977	308
Glenm Littrell	Mt. Vernon	Jefferson	39	Illinois	June 7, 1977	309
Leonard Earl Long	Marion	Williamson	55	Illinois	June 7, 1977	310
Leslie L. Lowe	Elmwood	Peoria	40	Illinois	June 10, 1977	311
Walter S. Lucas	Elorado	Saline	45	Illinois	June 7, 1977	312
J. T. Luster	St. David	Fulton	57	Tennessee	June 10, 1977	313
Dale L. McAnelly	Crest Springs	Williamson	27	Illinois	June 7, 1977	314
Gary R. McCabe	Harrisburg	Saline	25	Illinois	June 7, 1977	315
Donald W. McCabe	Steeleville	Randolph	60	Illinois	June 7, 1977	316

# STATE MINING BOARD CERTIFICATES ISSUED FOR SURFACE MINE SUPERVISOR—1977—(Continued)

Name	Post Office	County	Age	Birthplace	Date of examination	No. of certificate
Wilbur G. McClaughry	Cuba	Fulton	47	Illinois	June 10, 1977	317
Danny L. McClellan	Pinckneyville	Perry	27	Illinois	June 6, 1977	318
Terry W. McConkey	Steeleville	Randolph	30	Illinois	June 6, 1977	319
Guy McDonald	Carrier Mills	Saline	52	Illinois	June 6, 1977	320
Robert L. McDonald	Marion	Williamson	42	Illinois	June 7, 1977	321
Bernard P. McSherry	Millstadt	St. Clair	60	Illinois	June 6, 1977	322
Ralph Mackie	Williamsville	Knox	49	Illinois	June 9, 1977	323
Robert D. Macy	Toulon	Stark	59	Montana	June 10, 1977	324
Todd H. Malejan	Peoria	Peoria	25	Michigan	June 9, 1977	325
Gerald Mallory	Carterville	Williamson	33	Kentucky	June 7, 1977	326
Donald W. Malone	Thompsonville	Williamson	46	Illinois	June 6, 1977	327
Vernon D. Malone	Thompsonville	Williamson	48	Illinois	June 6, 1977	328
Jack M. Markley	Sparta	Randolph	56	Illinois	June 7, 1977	329
Max L. Marlow	Williamsville	Williamson	56	Illinois	June 7, 1977	330
Argie J. Marshall	Trivoli	Peoria	56	Indiana	June 10, 1977	331
David M. Martin	DuQuoin	Perry	27	Illinois	June 7, 1977	332
Paul L. Martin II	Elkville	Jackson	26	Illinois	June 6, 1977	333
Ron W. Menzie	Stonefort	Williamson	35	Ohio	June 7, 1977	334
Kenneth Harold Merod	Millstadt	St. Clair	45	Illinois	June 7, 1977	335
Kenneth L. Miers	Elmwood	Peoria	35	Illinois	June 10, 1977	336
Clifford E. Miller	Farmington	Fulton	56	Illinois	June 9, 1977	337
James L. Miller	Galesburg	Knox	53	Illinois	June 10, 1977	338
Lester G. Miller	Millstadt	St. Clair	55	Illinois	June 6, 1977	339
Kent D. Minor	Lewistown	Fulton	35	Illinois	June 9, 1977	340
Alvin F. Misker, Jr.	Herrin	Williamson	32	Illinois	June 6, 1977	341
Clarence Misselhorn	Campbell Hill	Jackson	52	Illinois	June 6, 1977	342
Galen Everette Mitchell	Pinckneyville	Perry	58	Illinois	June 7, 1977	343
Peter James Moffett	DuQuoin	Perry	28	Iowa	June 6, 1977	344
Philip J. Moffett	Peoria	Peoria	28	Iowa	June 9, 1977	345
Andrew Paul Moore	DuQuoin	Perry	30	Illinois	June 7, 1977	346
Chester E. Moore	Carrier Mills	Saline	55	Illinois	June 6, 1977	347
Kim Moore	Carrier Mills	Saline	23	Illinois	June 6, 1977	348
Thomas H. Moore	DuQuoin	Perry	61	Illinois	June 6, 1977	349
Thomas W. Moore	Carrier Mills	Saline	28	Illinois	June 6, 1977	350
Robert L. Morse, Jr.	Toulon	Stark	21	Illinois	June 9, 1977	351
Ronald E. Morse	Harrisburg	Saline	32	Illinois	June 7, 1977	352
Leo Morski	Pinckneyville	Perry	53	W. Virginia	June 7, 1977	353
Joe Murdock	Williamsville	Knox	32	Illinois	June 9, 1977	354
George W. Murray	New Athens	St. Clair	51	Ohio	June 7, 1977	355
Roy Mydler	DuQuoin	Perry	35	Illinois	June 6, 1977	356
C. H. Myers	Harrisburg	Saline	43	Missouri	June 7, 1977	357
Charles M. Naegele	Murphysboro	Jackson	28	Illinois	June 7, 1977	358
Walter B. Neal	Campbell Hill	Jackson	25	Illinois	June 7, 1977	359
Ronnie L. Nelson	Lewistown	Fulton	28	Illinois	June 10, 1977	360
David W. Neville	DuQuoin	Perry	26	Illinois	June 6, 1977	361
Russell M. Nicholls	Marion	Williamson	62	Kansas	June 7, 1977	362
Leo S. Ogolini	Murphysboro	Jackson	29	Illinois	June 6, 1977	363
Arthur O'Keefe	Sparta	Randolph	34	Illinois	June 6, 1977	364
Eric E. Olson	Gilson	Knox	21	Illinois	June 10, 1977	365
Forrest Oney	DuQuoin	Perry	56	Kentucky	June 7, 1977	366
Harry B. Oxford	Marion	Williamson	37	Illinois	June 7, 1977	367
William A. Pace	Marion	Williamson	39	Illinois	June 7, 1977	368
Noel P. Parks	Geff	Wayne	33	Illinois	June 6, 1977	369
Charles E. Parsons	Steeleville	Randolph	53	Illinois	June 6, 1977	370
Bill Pate	Marion	Williamson	35	Arkansas	June 7, 1977	371
James E. Patterson	Farmington	Fulton	27	Illinois	June 9, 1977	372
Robert G. Pautler	Evansville	Randolph	43	Illinois	June 6, 1977	373
Fred Payne	Vergennes	Williamson	41	Illinois	June 7, 1977	374
David J. Perardi	DuQuoin	Perry	24	Illinois	June 7, 1977	375
James P. Peterson	DuQuoin	Perry	40	Illinois	June 7, 1977	376
Larry E. Peterson	Mt. Vernon	Jefferson	28	Illinois	June 7, 1977	377
Marion R. Peterson	Macomb	McDonough	51	Illinois	June 10, 1977	378
Peter A. Petrowski	Harrisburg	Saline	34	Indiana	June 7, 1977	379
James L. Pfifer	Ridgway	Gallatin	33	Missouri	June 7, 1977	380
Gary A. Phillips	Smithfield	Fulton	39	Illinois	June 10, 1977	381
Harold S. Phillips	Mascoutah	St. Clair	53	Kentucky	June 6, 1977	382
Stanley T. Piasecki	Sparta	Randolph	23	Illinois	June 7, 1977	383
Homer D. Pitts	Pinckneyville	Perry	29	Alabama	June 6, 1977	384
Gerald A. Pollitt	Macomb	McDonough	37	Illinois	June 10, 1977	385
Francis E. Potteet	Percy	Randolph	60	Texas	June 7, 1977	386
Gary Potter	Steeleville	Randolph	31	Illinois	June 7, 1977	387
Delvin R. Powell	Williamsville	Knox	25	Illinois	June 10, 1977	388
Richard E. Powell	Mt. Vernon	Jefferson	29	Illinois	June 7, 1977	389
John D. Prather, Jr.	Pinckneyville	Perry	30	Illinois	June 7, 1977	390
Gordon W. Proavart	DuQuoin	Perry	28	Illinois	June 7, 1977	391
David W. Purdy	DuQuoin	Perry	38	Illinois	June 7, 1977	392
Arthur P. Pursell	Pinckneyville	Perry	53	Illinois	June 7, 1977	393
Gene A. Putman	Lewistown	Fulton	32	Illinois	June 10, 1977	394
Raymond L. Putman	Pinckneyville	Perry	59	Illinois	June 6, 1977	395

# STATE MINING BOARD CERTIFICATES ISSUED FOR SURFACE MINE SUPERVISOR—1977—(Continued)

Name	Post Office	County	Age	Birthplace	Date of examination	No. of certificate
Claude E. Rains	Pinckneyville	Perry	34	Illinois	June 6, 1977	396
Gary Ranck	Marissa	St. Clair	33	Iowa	June 6, 1977	397
Donald E. Rapp	Steeleville	Randolph	34	Illinois	June 6, 1977	398
Lecil Ray	Marion	Williamson	39	Arkansas	June 6, 1977	399
Chester R. Razer	Sparta	Randolph	27	Illinois	June 6, 1977	400
Richard Rebecca	Pittsburg	Williamson	56	Kansas	June 7, 1977	401
Derral Redwine	Harrisburg	Saline	41	Illinois	June 6, 1977	402
Roger Ruble	Mascoutah	St. Clair	30	Illinois	June 7, 1977	403
Michael A. Reed	New Athens	St. Clair	24	Illinois	June 6, 1977	404
Robert F. Reed	Marion	Williamson	61	Kansas	June 6, 1977	405
Harold W. Reeder	Farview	Fulton	43	Illinois	June 9, 1977	406
Jerry W. Reese	Rushville	Schuyler	42	Indiana	June 9, 1977	407
Gary D. Regynski	Marion	Williamson	30	S. Dakota	June 6, 1977	408
Delmar Reidelberger	DuQuoin	Perry	39	Illinois	June 7, 1977	409
Keith Remert	Pittsburg	Williamson	33	Colorado	June 7, 1977	410
Jimmy L. Reynolds	Marion	Williamson	25	Michigan	June 7, 1977	411
Sam B. Reynolds	Oneida	Knox	34	Illinois	June 9, 1977	412
James H. Rice	DuQuoin	Perry	51	Illinois	June 6, 1977	413
James Leonard Rice	DuQuoin	Perry	30	Illinois	June 6, 1977	414
Joe D. Rice	DuQuoin	Perry	54	Illinois	June 6, 1977	415
Neil D. Rice	DuQuoin	Perry	50	Illinois	June 7, 1977	416
R. Paul Richardson	Yates City	Knox	56	Illinois	June 9, 1977	417
Eugene Richey	Marion	Williamson	53	Illinois	June 7, 1977	418
Paul W. Richter, Jr.	Lewistown	Fulton	28	Illinois	June 10, 1977	419
Ervin E. Rickenberg	Murphysboro	Jackson	32	Illinois	June 7, 1977	420
Sam V. Riggio	DuQuoin	Perry	22	Illinois	June 6, 1977	421
Stephen J. Riggio	DuQuoin	Perry	34	Illinois	June 7, 1977	422
Vincent G. Riggio	DuQuoin	Perry	28	Illinois	June 7, 1977	423
Levi E. Rigney, Jr.	Marion	Williamson	53	Ohio	June 6, 1977	424
Carl John Ritter	DuQuoin	Perry	41	Illinois	June 7, 1977	425
Kenneth R. Robert	Steeleville	Randolph	34	Illinois	June 7, 1977	426
James A. Roberts	Marion	Williamson	51	Illinois	June 6, 1977	427
Robert I. Roberts	Murphysboro	Jackson	44	Illinois	June 6, 1977	428
Dennis Robison	Steeleville	Randolph	26	Illinois	June 7, 1977	429
Vernon J. Rock	Sesser	Franklin	33	Michigan	June 7, 1977	430
David W. Rodgers	Vergennes	Jackson	38	Iowa	June 7, 1977	431
Donald E. Rodgers	Marissa	St. Clair	38	Illinois	June 6, 1977	432
Robert D. Rodney	Herrin	Williamson	30	Illinois	June 6, 1977	433
Richard F. Roethe	DuQuoin	Perry	31	Illinois	June 6, 1977	434
Robert Rolando	DuQuoin	Perry	34	Illinois	June 7, 1977	435
John L. Roll	Easton	Mason	29	Illinois	June 10, 1977	436
James Rollo	Freeburg	St. Clair	63	Illinois	June 7, 1977	437
James C. Rose	Harrisburg	Saline	31	Illinois	June 7, 1977	438
Charles R. Rowe	Buncombe	Johnson	38	Illinois	June 7, 1977	439
Mark A. Rowland	Willisville	Perry	28	Illinois	June 6, 1977	440
Ronald W. Rubemeyer	Waterloo	Monroe	39	Illinois	June 6, 1977	441
Nelson D. Rule	Pinckneyville	Perry	34	Illinois	June 6, 1977	442
Thomas D. Rushing	Cutler	Perry	31	California	June 7, 1977	443
Robert Sabelhaus	Murphysboro	Jackson	51	Indiana	June 6, 1977	444
Thomas Sabo, Jr.	Marissa	St. Clair	36	Illinois	June 7, 1977	445
Charles R. Savage	Elmwood	Peoria	38	Illinois	June 10, 1977	446
Allen B. Scarborough	Pinckneyville	Perry	29	Illinois	June 6, 1977	447
James E. Scattergood	Galva	Henry	28	Illinois	June 10, 1977	448
Charles E. Scherrer	Shawneetown	Gallatin	39	Illinois	June 6, 1977	449
Dan Schisler	Herrin	Williamson	29	Illinois	June 6, 1977	450
Glennon P. Schlitt	Freeburg	St. Clair	26	Missouri	June 6, 1977	451
Charles Schmidt	Carterville	Williamson	48	Indiana	June 7, 1977	452
Edward Schneider	New Athens	St. Clair	52	Illinois	June 7, 1977	453
Kenneth R. Schubert	Pinckneyville	Perry	25	Wisconsin	June 7, 1977	454
George R. Schuler	Sparta	Randolph	26	Montana	June 6, 1977	455
Allan Floyd Schulz	Opdyke	Jefferson	26	Illinois	June 7, 1977	456
Jerry L. Scott	Shawneetown	Gallatin	33	Kentucky	June 6, 1977	457
Larry L. Scott	Elizabethtown	Gallatin	32	Illinois	June 6, 1977	458
Jerry E. Seibert	DuQuoin	Perry	36	Illinois	June 7, 1977	459
Deba P. Sen	Peoria	Peoria	53	India	June 9, 1977	460
George V. Sessen	Mt. Vernon	Jefferson	57	S. Dakota	June 6, 1977	461
Paul R. Sittles	Marissa	St. Clair	45	Illinois	June 6, 1977	462
William L. Shank	Vermont	Fulton	34	Illinois	June 9, 1977	463
Donald Ralph Shaver	Sparta	Randolph	24	Tennessee	June 6, 1977	464
John H. Shaw	Harrisburg	Saline	47	Illinois	June 6, 1977	465
Kenneth W. Shaw	Murphysboro	Jackson	31	Illinois	June 6, 1977	466
Garolde E. Shellcrosslee	Canton	Fulton	39	Illinois	June 10, 1977	467
James E. Shepherd	Harrisburg	Saline	40	Indiana	June 6, 1977	468
John Edward Shields	Pinckneyville	Perry	33	Illinois	June 6, 1977	469
Ernest R. Shingleton	Murphysboro	Jackson	32	Illinois	June 6, 1977	470
Harry A. Siepmann	Steeleville	Randolph	36	Indiana	June 7, 1977	471
Harry N. Simmons	Carrier Mills	Saline	45	Illinois	June 7, 1977	472
John W. Simmons	Steeleville	Randolph	30	Ohio	June 7, 1977	473
Lee Simpson	Shawneetown	Gallatin	43	Kentucky	June 6, 1977	474

# STATE MINING BOARD CERTIFICATES ISSUED FOR SURFACE MINE SUPERVISOR—1977—(Continued)

Name	Post Office	County	Age	Birthplace	Date of examination	No. of certificate
Ronald D. Simpson	Carterville	Williamson	24	California	June 6, 1977	475
Donald E. Sims	Willisville	Perry	27	Illinois	June 7, 1977	476
Robert C. Sken	Mascoutah	St. Clair	40	Illinois	June 6, 1977	477
Brian E. Smallwood	Belleville	St. Clair	26	Illinois	June 6, 1977	478
Charles A. Smith	DuQuoin	Perry	38	Illinois	June 7, 1977	479
Jeffery B. Smith	Stonefort	Williamson	22	Ohio	June 6, 1977	480
Julian L. Smith	DuQuoin	Perry	35	Kentucky	June 6, 1977	481
Kenneth H. Smith	Harrisburg	Saline	30	Indiana	June 6, 1977	482
William C. Smith	Marion	Williamson	42	Illinois	June 6, 1977	483
Zeldon M. Smith	Canton	Fulton	39	Illinois	June 10, 1977	484
Grady L. Sorrows	DuQuoin	Perry	30	Illinois	June 6, 1977	485
Peter E. Spartin	Morton	Tazewell	50	Greece	June 9, 1977	486
Harry E. Speers	Marissa	St. Clair	51	Illinois	June 7, 1977	487
William L. Spenny	Canton	Fulton	38	Illinois	June 9, 1977	488
Edward A. Spiller	Steeleville	Randolph	31	Illinois	June 7, 1977	489
Ray Gene Sronce	Pinckneyville	Perry	41	Illinois	June 7, 1977	490
William O. Stanhouse, Jr.	DuQuoin	Perry	26	Illinois	June 7, 1977	491
Larry D. Stear	Rushville	Schuyler	37	Illinois	June 10, 1977	492
Ronald B. Stephens	Steeleville	Randolph	35	Illinois	June 6, 1977	493
Dennis Lee Stevenson	Marissa	St. Clair	30	Illinois	June 7, 1977	494
Wayne J. Stewart	Trivoli	Peoria	48	New Mexico	June 10, 1977	495
Russell L. Stilwell	Harrisburg	Saline	48	Illinois	June 7, 1977	496
Steven A. Stocks	Coulterville	Randolph	26	Illinois	June 6, 1977	497
Michael D. Stokes	Peoria	Peoria	25	Illinois	June 10, 1977	498
Terry A. Storms	Harrisburg	Saline	29	Indiana	June 6, 1977	499
McDonald Stricklin	Shawneetown	Gallatin	55	Missouri	June 7, 1977	500
James R. Stull	Canton	Fulton	50	Pennsylvania	June 9, 1977	501
Wilburn E. Swetland	DuQuoin	Perry	51	Illinois	June 6, 1977	502
John G. Taylor	Eldorado	Saline	54	Illinois	June 7, 1977	503
Michael C. Taylor	Elizabethtown	Hardin	37	Kentucky	June 6, 1977	504
Amos W. Teague	Canton	Fulton	30	Kentucky	June 9, 1977	505
George Teegarden	Harrisburg	Saline	39	Illinois	June 7, 1977	506
Dale D. Teeters	Evansville	Saline	36	Colorado	June 6, 1977	507
Charles R. Thomas	Marissa	St. Clair	42	Illinois	June 6, 1977	508
Robert L. Thomas	Pinckneyville	Perry	35	Illinois	June 6, 1977	509
James M. Thompson	Carbondale	Jackson	34	Wisconsin	June 7, 1977	510
Donald E. Tippey	Lewistown	Fulton	50	Illinois	June 9, 1977	511
Donald G. Todaro	Percy	Perry	38	Missouri	June 7, 1977	512
Jack Tripp	DuQuoin	Perry	52	Illinois	June 7, 1977	513
William H. Tunney	Kewanee	Henry	61	Illinois	June 10, 1977	514
Benjamin Turner	Canton	Fulton	60	Illinois	June 9, 1977	515
Merle S. Ude	Millstadt	St. Clair	37	Illinois	June 7, 1977	516
Robert K. Ulm	Farmington	Fulton	32	Illinois	June 10, 1977	517
Harlan C. Vallery	Canton	Fulton	55	Illinois	June 9, 1977	518
James L. VanHerzele	Campbell Hill	Jackson	33	Illinois	June 6, 1977	519
Ross Vaughn	Golconda	Pope	55	Illinois	June 6, 1977	520
William Brent Vaughn	Pinckneyville	Perry	27	Illinois	June 6, 1977	521
Lawrence C. Verdict	Kewanee	Henry	55	Illinois	June 10, 1977	522
John Frank Waller	Shawneetown	Gallatin	33	Illinois	June 6, 1977	523
Lyman I. Walter	Gilson	Knox	34	Illinois	June 9, 1977	524
Arlen L. Walters	Fairview	Fulton	42	Illinois	June 9, 1977	525
Paul Walters	Camden	Schuyler	58	Illinois	June 9, 1977	526
Ronald L. Walters	Steeleville	Randolph	43	Indiana	June 6, 1977	527
Laverne Wamboldt	Elmwood	Peoria	40	Illinois	June 10, 1977	528
Donald H. Waters	Carrier Mills	Saline	30	Tennessee	June 6, 1977	529
Eugene M. Way	Gilson	Knox	48	Illinois	June 9, 1977	530
Floyd R. Weaver	Creal Springs	Williamson	52	Illinois	June 7, 1977	531
Robert V. Weese	Pinckneyville	Perry	38	Illinois	June 6, 1977	532
Donald L. Weiser	Walsh	Randolph	32	Illinois	June 6, 1977	533
Malcolm J. Weiser, Jr.	New Baden	Clinton	27	Illinois	June 7, 1977	534
Chris Welsh	DuQuoin	Perry	24	Minnesota	June 7, 1977	535
William C. Whistle	Grand Tower	Jackson	22	Missouri	June 7, 1977	536
Norman L. White	Astoria	Fulton	37	Illinois	June 10, 1977	537
Beckley Whiteshead	Canton	Fulton	30	Illinois	June 10, 1977	538
Derral Ray Whiteside	Harrisburg	Saline	23	Kentucky	June 6, 1977	539
William H. Whitman	Canton	Fulton	30	Illinois	June 10, 1977	540
James Whyte	Eldorado	Saline	35	Illinois	June 7, 1977	541
Donald Wilcoxon, Jr.	Sparta	Randolph	46	Illinois	June 6, 1977	542
Carl W. Wild	Oak Hill	Peoria	61	Illinois	June 10, 1977	543
Daniel R. Wild	Mt. Vernon	Jefferson	38	Illinois	June 6, 1977	544
Charles S. Williams	Shawneetown	Gallatin	24	Ohio	June 6, 1977	545
Gary L. Williams	DuQuoin	Perry	38	Illinois	June 7, 1977	546
James O. Williams	Tamara	Perry	50	Indiana	June 6, 1977	547
John R. Willis	Harrisburg	Saline	54	Indiana	June 6, 1977	548
Carl E. Wilson	Eldorado	Saline	46	Illinois	June 6, 1977	549
John R. Winder	Tamara	Perry	55	Penn.	June 6, 1977	550
David E. Winkleman	Harrisburg	Saline	24	Illinois	June 7, 1977	551
Larry E. Winship	Cuba	Fulton	31	Illinois	June 9, 1977	552
Dennis Wintes	Sparta	Randolph	27	Illinois	June 7, 1977	553

# STATE MINING BOARD CERTIFICATES ISSUED FOR SURFACE MINE SUPERVISOR—1977—(Continued)

Name	Post Office	County	Age	Birthplace	Date of examination	No of certificate
John E. Winth	Rushville	Schuyler	31	Illinois	June 9, 1977	554
Alfred W. Wise	Oakwood	Vermilion	26	Illinois	June 9, 1977	555
Donald H. Wisely	Vergennes	Jackson	34	Illinois	June 6, 1977	556
Harold D. Woodard	Cartersville	Williamson	43	Illinois	June 7, 1977	557
James Woolard	Harrisburg	Saline	47	Illinois	June 6, 1977	558
Joseph E. Woolford	New Athens	St. Clair	37	Illinois	June 7, 1977	559
Robert Woolsey	Hurst	Williamson	34	Kentucky	June 7, 1977	560
Robert J. Wunderlich	Steeleville	Randolph	47	Illinois	June 7, 1977	561
James York	Eldorado	Saline	41	Illinois	June 6, 1977	562
James L. Young	Cuba	Fulton	32	Illinois	June 10, 1977	563
David J. Youngs	Steeleville	Randolph	43	Michigan	June 7, 1977	564
Samuel M. Zimmerman	Sparta	Randolph	29	W. Virginia	June 7, 1977	565
David L. Walline	Cuba	Fulton	35	Illinois	June 9, 1977	566
Donald D. Wesbels	Carrier Mills	Saline	25	Illinois	June 6, 1977	567
Lawrence Goolsby	Rosiclare	Hardin	43	Illinois	June 6, 1977	568
Ronald Lee Miller	Sparta	Randolph	28	Illinois	June 7, 1977	569
Gary William Richards	Nashville	Washington	26	Illinois	June 7, 1977	570
Morris K. Cook	Lewistown	Fulton	51	Illinois	June 9, 1977	571
Kenneth F. Crouse	Elmwood	Peoria	40	Illinois	June 9, 1977	572
Dwight E. Maxfield	Cuba	Fulton	58	Illinois	June 9, 1977	573
Norman R. Barnes	Elkville	Jackson	31	Illinois	June 7, 1977	574
Jack Lee Behymer	Victoria	Knox	32	Illinois	June 9, 1977	575
Ricky Brown	Carrier Mills	Saline	20	Illinois	June 6, 1977	576
James S. Clark, Jr.	Yates City	Knox	25	Illinois	June 9, 1977	577
Ray V. Conover	Dahinda	Knox	59	Illinois	June 9, 1977	578
Harry L. Crook	Lenzburg	St. Clair	26	Illinois	June 6, 1977	579
Jon W. Davis	Astoria	Fulton	23	Illinois	June 10, 1977	580
Harry Lee Dunnigan	Addieville	Washington	36	Arkansas	June 7, 1977	581
Tim A. Garland	Macomb	McDonough	26	Indiana	June 10, 1977	582
Eldon L. Heath	Canton	Fulton	47	Illinois	June 10, 1977	583
Nels E. Hickman, Jr.	Fairview	Fulton	22	Illinois	June 10, 1977	584
Thomas W. Jones	Laura	Peoria	24	Illinois	June 9, 1977	585
Charles B. Maxwell	Beardstown	Cass	35	Illinois	June 9, 1977	586
Olen E. Morgan	Christopher	Franklin	40	Illinois	June 7, 1977	587
David Lee Payne	Canton	Fulton	30	Illinois	June 9, 1977	588
Dennis R. Reach	Williamson	Williamson	25	Illinois	June 7, 1977	589
Johnny A. Reed	Shawneetown	Gallatin	26	Illinois	June 7, 1977	590
Michael L. Smith	Elmwood	Peoria	22	Colorado	June 10, 1977	591
Thomas Tejido	Cuba	Fulton	23	Illinois	June 9, 1977	592
Michael E. White	Ellisville	Fulton	20	Illinois	June 9, 1977	593
Woodrow E. Wilson	Fairview	Fulton	59	Illinois	June 10, 1977	594
Calvin C. Wyatt	Lafayette	Stark	61	Kansas	June 10, 1977	595
Warren C. Sidles	Canton	Fulton	30	Illinois	June 9, 1977	596
Gerald M. Nell	London Mills	Knox	42	Illinois	June 9, 1977	597
Irvin W. Wefenstette	St. Mary, Mo.	St. Genevieve	39	Missouri	June 7, 1977	598
Burnett J. Bailey	Marion	Williamson	57	Illinois	August 26, 1977	599
Martin O. Barber	Johnston City	Williamson	65	Iowa	August 26, 1977	600
Daniel Clayberg	Cuba	Fulton	59	Illinois	August 26, 1977	601
William B. Cross	Coulterville	Randolph	55	Illinois	August 26, 1977	602
Johnnie Fleming	DuQuoin	Perry	55	Illinois	August 26, 1977	603
Edmund Gzezak	Zeligler	Franklin	65	Penn.	August 26, 1977	604
Alexander Johnson	Cuba	Fulton	57	Illinois	August 26, 1977	605
Robert E. Jones	Benton	Franklin	49	Illinois	August 26, 1977	606
James R. Kolisek	Benton	Franklin	40	Illinois	August 26, 1977	607
Bernard Martin	Taylorville	Christian	46	Illinois	August 26, 1977	608
Robert L. Melvin	West Frankfort	Franklin	51	Illinois	August 26, 1977	609
John Morthland	West Frankfort	Franklin	47	Illinois	August 26, 1977	610
Robert L. Pate	Harrisburg	Saline	47	Illinois	August 26, 1977	611
Thomas W. Pinnell	Farmersville	Montgomery	51	Illinois	August 26, 1977	612
Charles A. Renshaw	Mt. Vernon	Jefferson	56	Kentucky	August 26, 1977	613
Russell Spitzner	Marion	Williamson	62	Illinois	August 26, 1977	614
Arthur Joe Williams	Benton	Franklin	50	Illinois	August 26, 1977	615
George T. Williams	West Frankfort	Franklin	52	Illinois	August 26, 1977	616
Robert James Allen	Hartford	Madison	47	Indiana	Nov. 29, 1977	617
John A. Ammon	Harrisburg	Saline	32	Illinois	Nov. 29, 1977	618
Jackie R. Antonini	Marion	Williamson	24	Illinois	Nov. 29, 1977	619
Donald R. Austill	DuQuoin	Perry	43	Indiana	Nov. 29, 1977	620
Duane Baker	Mt. Vernon	Jefferson	25	Illinois	Nov. 29, 1977	622
Larry Barnett	Harrisburg	Saline	36	Illinois	Nov. 29, 1977	623
Murray D. Bartlett	Cuba	Fulton	44	Illinois	Dec. 5, 1977	624
Oscar D. Bartmess	Steeleville	Randolph	37	California	Nov. 29, 1977	625
Robert James Bartosh, Jr.	Elkville	Jackson	24	Michigan	Nov. 29, 1977	626
Charles E. Bishop, Jr	DuQuoin	Perry	33	Illinois	Nov. 29, 1977	627
Jack G. Boatright	Harrisburg	Saline	38	Illinois	Nov. 29, 1977	628
Murle Booker	New Athens	St. Clair	40	Indiana	Nov. 29, 1977	629
Iman Bratcher	Astoria	Fulton	32	Kentucky	Dec. 5, 1977	630
Carl E. Bratten	Marion	Williamson	54	Illinois	Nov. 29, 1977	631
George M. Brewner	DuQuoin	Perry	56	Illinois	Nov. 29, 1977	632
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# STATE MINING BOARD CERTIFICATES ISSUED FOR SURFACE MINE SUPERVISOR—1977—(Continued)

Name	Post Office	County	Age	Birthplace	Date of examination	No. of certificate
Allen Blake Brown	DuQuoin	Perry	26	Utah	Nov 29, 1977	634
Michael J. Burns, Jr.	Marissa	St. Clair	52	Tennessee	Nov 29, 1977	635
H. Wayne Burton	Pinckneyville	Perry	34	Kentucky	Nov 29, 1977	636
William Harold Burton	Pinckneyville	Perry	52	Kentucky	Nov 29, 1977	637
Robert L. Campbell	Great Springs	Williamson	32	Missouri	Nov 29, 1977	638
Charles Carter	Sparta	Randolph	28	Illinois	Nov 29, 1977	639
Ignatius E. Castellano	Marion	Williamson	28	Illinois	Nov 29, 1977	640
Charles Cavender	Carrier Mills	Saline	37	Illinois	Nov 29, 1977	641
Donald L. Clardia	Harrisburg	Saline	37	Illinois	Nov 29, 1977	642
Danny Lee Clayton	Harrisburg	Saline	24	Illinois	Nov 29, 1977	643
Richard W. Cohagen	Marissa	St. Clair	36	Ohio	Nov 29, 1977	644
Gary W. Compton	Carrier Mills	Saline	27	Virginia	Nov 29, 1977	645
Mark R. Congiardo	Murphysboro	Jackson	24	Illinois	Nov 29, 1977	646
Eugene J. Corvo	Sparta	Randolph	52	Penn.	Nov 29, 1977	647
R. Eugene Cosler	Murphysboro	Jackson	29	Indiana	Nov 29, 1977	648
Larry R. Coulson	Coulterville	Perry	32	Illinois	Nov 29, 1977	649
David L. Dees	Equality	Gallatin	48	Illinois	Nov 29, 1977	650
Kenneth E. Derry	Ipava	Fulton	49	Illinois	Dec 5, 1977	651
Benny F. Dintelman	Steeleville	Randolph	49	Illinois	Nov 29, 1977	652
Arthur C. Disney	Carrier Mills	Saline	53	Illinois	Nov 29, 1977	653
Linda F. Dutcher	Carbondale	Jackson	34	New York	Nov 29, 1977	654
Richard Edmondson	Carrier Mills	Saline	24	Illinois	Nov 29, 1977	655
Charles O. Feltmeyer	Tamaroa	Perry	28	Illinois	Nov 29, 1977	656
William L. Field	Carrier Mills	Saline	51	Illinois	Nov 29, 1977	657
Ronald Fontana	DuQuoin	Perry	30	Illinois	Nov 29, 1977	658
James Warden Francis	DuQuoin	Perry	34	Ohio	Nov 29, 1977	659
Robert A. Fulton	Ava	Jackson	26	Illinois	Nov 29, 1977	660
Lowell Eugene Furlong	Harrisburg	Saline	36	Illinois	Nov 29, 1977	661
John W. Gaerig	Red Bud	Randolph	48	Illinois	Nov 29, 1977	662
Rondel E. Gillette	Marissa	St. Clair	36	Kentucky	Nov 29, 1977	663
Steven M. Graham	Canton	Fulton	21	Illinois	Dec 5, 1977	664
Harris Green	DuQuoin	Perry	52	Illinois	Nov 29, 1977	665
Franklin A. Hamisch	Vergennes	Jackson	34	California	Nov 29, 1977	666
George E. Hargraces	Marion	Williamson	51	Illinois	Nov 29, 1977	667
David E. Harmon	Carbondale	Jackson	24	Illinois	Nov 29, 1977	668
Paul M. Hartley	Farmington	Fulton	24	Illinois	Nov 29, 1977	669
Wade L. Hedger	Harrisburg	Saline	42	Illinois	Nov 29, 1977	670
Wayman L. Hefner	Harrisburg	Saline	39	Illinois	Nov 29, 1977	671
Charles R. Henson	Carrier Mills	Saline	42	Illinois	Nov 29, 1977	672
William V. Herman	Williamsville	Knox	39	Illinois	Dec 5, 1977	673
Gary Holmes	Shawneetown	Gallatin	30	Illinois	Nov 29, 1977	674
Virgil R. Hutchings	Pinckneyville	Perry	23	Illinois	Nov 29, 1977	675
Billy Roy Jennings	Tamaroa	Perry	33	Illinois	Nov 29, 1977	676
Robert L. Jerrels	Marissa	St. Clair	25	Illinois	Nov 29, 1977	677
Richard D. Johns	Sparta	Randolph	35	Michigan	Nov 29, 1977	678
Marvin V. Johnson	Canton	Fulton	55	Illinois	Dec 5, 1977	679
Roger Johnson	Sparta	Randolph	43	Ohio	Nov 29, 1977	680
Glenn E. Joiner	Harrisburg	Saline	29	Illinois	Nov 29, 1977	681
Richard D. King	Eldorado	Saline	39	Illinois	Nov 29, 1977	682
Vernon Dean Knope	Coulterville	Randolph	38	Illinois	Nov 29, 1977	683
Thomas L. Knox	Maquon	Knox	22	Illinois	Dec 5, 1977	684
Kenneth L. Kraus	New Athens	St. Clair	35	Illinois	Nov 29, 1977	685
Robert H. Krey, Jr.	Farmington	Fulton	22	Illinois	Dec 5, 1977	686
John A. Lambert	Brimfield	Peoria	30	California	Dec 5, 1977	687
Jeff H. Lane	Harrisburg	Saline	46	Illinois	Nov 29, 1977	688
Terry Lands	Harrisburg	Saline	21	Illinois	Nov 29, 1977	689
Robert Dale Lewis	Waltonville	Jefferson	25	Illinois	Nov 29, 1977	690
William J. Lively	Junction	Gallatin	47	Illinois	Nov 29, 1977	691
Lynn D. Logan	Canton	Fulton	46	Illinois	Dec 5, 1977	692
Lindell W. Lollar	Carrier Mills	Saline	37	Illinois	Nov 29, 1977	693
James Robert McCaughey	Canton	Fulton	24	Illinois	Dec 5, 1977	694
Paul T. McDonald	Freeburg	St. Clair	37	Illinois	Nov 29, 1977	695
John P. McKenzie	Lewistown	Fulton	22	Illinois	Dec 5, 1977	696
Joe N. McPherson	Steeleville	Randolph	38	Illinois	Nov 29, 1977	697
Dennis R. Mahan	Chester	Randolph	29	Illinois	Nov 29, 1977	698
Susan C. Mahoney	Ava	Jackson	27	S. Dakota	Nov 29, 1977	699
Charles E. Maloney	Raleigh	Saline	20	Illinois	Nov 29, 1977	700
Charles H. Maloney	Raleigh	Saline	20	Illinois	Nov 29, 1977	701
Charles Edward Martin	Canton	Fulton	25	Illinois	Dec 5, 1977	702
Michael R. Meacham	Canton	Fulton	25	Illinois	Nov 29, 1977	703
Berry W. Meekins	Steeleville	Randolph	35	N. Car.	Nov 29, 1977	704
Roger L. Meyerhoff	Steeleville	Randolph	39	Illinois	Nov 29, 1977	705
Gary J. Miller	Carrier Mills	Saline	37	Illinois	Nov 29, 1977	706
Frank Milikin	Pinckneyville	Perry	37	Illinois	Nov 29, 1977	707
Britton K. Misker	Herrin	Williamson	29	New York	Nov 29, 1977	708
Norman H. Misselhorn	Campbell Hill	Jackson	56	Illinois	Nov 29, 1977	709
Fred Mitchell	Percy	Randolph	43	Illinois	Nov 29, 1977	710
Gerald F. Mitchell	Eldorado	Saline	45	Illinois	Nov 29, 1977	711
James Rober Murray	DuQuoin	Perry	29	Illinois	Nov 29, 1977	712

# STATE MINING BOARD CERTIFICATES ISSUED FOR SURFACE MINE SUPERVISOR—1977—(Continued)

Name	Post Office	County	Age	Birthplace	Date of examination	No of certificate
Paul W. Musselman	Eimwood	Peoria	32	Illinois	Dec 5, 1977	713
Joseph M. Nicholls	Marion	Williamson	29	Illinois	Nov 29, 1977	714
James F. Ochs	Perryville, Mo.	Perry	33	Missouri	Nov 29, 1977	715
Michael E. Orman	Jasonville, Ind	Greene	30	Indiana	Nov 29, 1977	716
Paul E. Orman	Belleville	St. Clair	53	Indiana	Nov 29, 1977	717
Joseph Pal	Danville	Vermilion	53	Illinois	Dec 5, 1977	718
Ronald L. Parsell	Coulterville	Perry	34	Ohio	Nov 29, 1977	719
Cornelius Phipps	Harrisburg	Saline	29	Virginia	Nov 29, 1977	720
Charles E. Potter	DuQuoin	Perry	33	Illinois	Nov 29, 1977	721
Dennis W. Powell	Steeleville	Randolph	30	Illinois	Nov 29, 1977	722
William C. Pritchett	Galatia	Saline	31	Illinois	Nov 29, 1977	723
Charles David Redman	Marion	Williamson	29	Illinois	Nov 29, 1977	724
James T. Reeves	Carrier Mills	Saline	32	Illinois	Nov 29, 1977	725
Rodger L. Reeves	Carrier Mills	Saline	37	Illinois	Nov 29, 1977	726
Edmund P. Renner	Chester	Randolph	55	Missouri	Nov 29, 1977	727
Leonard Dale Rice	DuQuoin	Perry	25	Illinois	Nov 29, 1977	728
James R. Roberts	Sparta	Randolph	51	Ohio	Nov 29, 1977	729
Steven E. Roe	Macomb	McDonough	31	Indiana	Dec 5, 1977	730
Jimmy G. Rogers	Christopher	Franklin	39	Illinois	Nov 29, 1977	731
Glenn Romine, Jr.	Banner	Fulton	45	Illinois	Dec 5, 1977	732
Bill Roper	Harrisburg	Saline	50	Illinois	Nov 29, 1977	733
Carl N. Scaff	Canton	Fulton	37	Illinois	Dec 5, 1977	734
John W. Scott, Jr.	Astoria	Fulton	50	Illinois	Nov 29, 1977	735
William L. Secrist	Williamsfield	Knox	34	Illinois	Dec 5, 1977	736
John A. Shotton, Jr.	Pinckneyville	Perry	36	Illinois	Nov 29, 1977	737
Greg E. Simmons	Marion	Williamson	24	California	Nov 29, 1977	738
Omer Simpson	Linton, Ind.	Greene	46	Indiana	Dec 5, 1977	739
Scott G. Snider	DeSoto	Jackson	24	Illinois	Nov 29, 1977	740
William P. Spiller	Willisville	Perry	36	Illinois	Nov 29, 1977	741
David M. Stone	Pinckneyville	Perry	24	Illinois	Nov 29, 1977	742
Robert D. Stookey	Trivoli	Peoria	40	Illinois	Dec 5, 1977	743
Clifford E. Tanner	Campbell Hill	Jackson	35	Illinois	Nov 29, 1977	744
Terry G. Traylor	Shawneetown	Gallatin	23	Kentucky	Nov 29, 1977	745
Marvin A. Ude	Pittsburg	Williamson	44	Illinois	Nov 29, 1977	746
Floyd Dale Vinyard	Harrisburg	Saline	46	Illinois	Nov 29, 1977	747
Frederick W. VonKaenel	Newburg, Ind.	Warrick	28	Missouri	Nov 29, 1977	748
Clinton E. Vores	Carbondale	Jackson	37	Michigan	Nov 29, 1977	749
Birdie Russell Waide	Herrin	Williamson	32	Kentucky	Nov 29, 1977	750
Dale E. Walker	Steeleville	Randolph	48	Illinois	Nov 29, 1977	751
Gregory L. Walters	Murphysboro	Jackson	30	Illinois	Nov 29, 1977	752
Alfred Brook Walton	Pinckneyville	Perry	34	Ohio	Nov 29, 1977	753
Bob L. Wangler	Harrisburg	Saline	43	Illinois	Nov 29, 1977	754
Kevin Weber	Chester	Randolph	22	Illinois	Nov 29, 1977	755
Carl I. Wenzel	Shawneetown	Gallatin	60	Illinois	Nov 29, 1977	756
Jack E. White	Tilden	Randolph	38	Indiana	Nov 29, 1977	757
Jerry White	Marion	Williamson	30	Illinois	Nov 29, 1977	758
Lawrence F. Whitecotten	Harrisburg	Saline	41	Indiana	Nov 29, 1977	759
Mark Wilkins	Carrier Mills	Saline	43	Illinois	Nov 29, 1977	760
John J. Withers	New Athens	St. Clair	30	Ohio	Nov 29, 1977	761
Richard W. Woodside	Percy	Randolph	40	Illinois	Nov 29, 1977	762
David M. Woosley	DuQuoin	Perry	27	Illinois	Nov 29, 1977	763
John A. Woosley	DuQuoin	Perry	45	Illinois	Nov 29, 1977	764
Newel L. Wright	Modoc	Randolph	49	Missouri	Nov 29, 1977	765
Donald L. Young	Cutler	Perry	40	Illinois	Nov 29, 1977	766
Alan Zaborac	Marissa	St. Clair	29	Illinois	Nov 29, 1977	767
Michael C. Smith	DuQuoin	Perry	30	Illinois	Nov 29, 1977	768

# STATE MINING BOARD CERTIFICATES ISSUED FOR RECLAMATION SURFACE MINE SUPERVISOR—1977

Name	Post Office	County	Age	Birthplace	Date of examination	No. of certificate
William H. Carnahan	Mt. Vernon	Jefferson	41	Illinois	Nov. 30, 1977	1
Philip Christy	Hopedale	Tazewell	33	Indiana	Dec. 5, 1977	2
Eugene E. Brock	Sparta	Randolph	56	Indiana	Nov. 29, 1977	3

# STATE MINING BOARD CERTIFICATES ISSUED FOR SHAFT & SLOPE SUPERVISOR—1977

Name	Post Office	County	Age	Birthplace	Date of examination	No. of certificate
Brad Evisizer	Christopher	Franklin	39	Illinois	Dec. 12, 1977	1
Robert L. Pate	Harrisburg	Saline	47	Illinois	Dec. 12, 1977	2
Burnett J. Bailey	Marion	Williamson	58	Illinois	Dec. 12, 1977	3
Martin O. Barber	Johnston City	Williamson	66	Iowa	Dec. 12, 1977	4
William B. Cross	Coulterville	Randolph	56	Illinois	Dec. 12, 1977	5
John H. Fleming	DuQuoin	Perry	57	Illinois	Dec. 12, 1977	6
Wilbur Franklin	Tilden	Randolph	46	Illinois	Dec. 12, 1977	7
Joe Gladson	Raymond	Montgomery	57	Illinois	Dec. 12, 1977	8
Fran Golden	Herod	Hardin	42	Illinois	Dec. 12, 1977	9
Edmund Grezlak	Zeigler	Franklin	65	Penn.	Dec. 12, 1977	10
John P. Hammond	Rushville	Schuyler	44	Illinois	Dec. 12, 1977	11
Robert E. Jones	Benton	Franklin	49	Illinois	Dec. 12, 1977	12
James R. Kolisek	Benton	Franklin	40	Illinois	Dec. 12, 1977	13
Bernard Martin	Taylorville	Christian	47	Illinois	Dec. 12, 1977	14
Robert L. Melvin	W. Frankfort	Franklin	51	Illinois	Dec. 12, 1977	15
John W. Morthland	W. Frankfort	Franklin	47	Illinois	Dec. 12, 1977	16
Thomas W. Pinnell	Farmersville	Montgomery	51	Illinois	Dec. 12, 1977	17
Charles A. Renshaw	Mt. Vernon	Jefferson	56	Kentucky	Dec. 12, 1977	18
George T. Williams	W. Frankfort	Franklin	53	Illinois	Dec. 12, 1977	19



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*Explosive Division*

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**GENERAL DESCRIPTION**  
**EXPLOSIVES DIVISION**  
**DEPARTMENT OF MINES & MINERALS**

Explosive materials are essential tools in our modern society. They play some part — direct or indirect — in practically everything that we build, make, use and enjoy. The most common usage in Illinois is incidental to mining, quarrying, road building, usage on farms and similar operations. Without them, available where and when they are needed, individuals, public work and private enterprises would be badly hampered. To facilitate and safeguard their proper manufacture, transportation, use and sale is in the best interest of each community and the state.

The Department, in July 1971, established the Explosives Division as a result of the State Legislature passing Senate Bill No. 44, known as the Explosives Licensing Act. Such Act supplemented an Act which had been administered by the Department since July 12, 1939 dealing with the manufacture, possession, storage, transportation, use, sale and gift of explosives. Headquarters for this section was established at the Mine Rescue Station and Analytical Laboratory Building located at 503 East Main Street, Benton, Illinois.

Licensing provisions of the original explosives act dealt primarily with explosive storage magazines. To provide a more comprehensive explosive law the provisions of the 1971 act dealt with licensing of individuals who wish to use or possess explosives. The statutes call for applicant interview, examination, etc. There were 974-1977 Certificates issued for explosives storage and 560 explosive licenses (168 new and 392 renewals) issued to individuals in 1977.

Three explosive inspectors and an explosive inspector-supervisor constitute the Division field personnel. In addition to those inspections performed in conjunction with the licensing procedure described above inspections are made at the following places to insure compliance with the law; all explosive dealers, all explosive manufacturers, manufacturing plants and many explosive users.

Many varied services, investigations and inspections are performed in conjunction with enforcement of the law. During the course of a year inspectors perform about 2500 inspections and initiate between 300 and 400 corrections. Although the section does not maintain a staff to accumulate statistical data on explosives such information is available from office of the Federal Bureau of Investigation and the Bureau of Alcohol, Tobacco and Firearms. The following data obtained from these offices provide a perspective of explosive incidents and other information for the U.S. most of which would not have occurred had legal rules been obeyed.

	<i>This Year</i> <i>(1977)</i>	<i>Same Period</i> <i>Last Year</i>
Explosives Incidents	982	1,040
Incendiary Incidents	326	530
Deaths	22	50
Injuries	159	212
Property Damage (Millions \$)	8,923	11,265

## DEPARTMENT OF MINES AND MINERALS

## EXPLOSIVES DIVISION

## Employees

Safety Engineer	Donald C. Simpson R. R. 2 Benton, Illinois 62812
Explosives Inspector- Supervisor	Robert Anderson 2917 Dale Avenue Granite City, Illinois 62040
Explosive Inspector	James Storey Box 23 Whittington, Illinois 62897
Explosive Inspector	Lester W. Glynn 58 Second Street LaSalle, Illinois 61301
Explosive Inspector	Donald Hafliger 421 East Esther Taylorville, Illinois 62568
Clerk Typist I	Bette B. Reynolds 605 North Ward Street Benton, Illinois 62812

## CERTIFICATE OF COMPLIANCE—EXPLOSIVES

Name	Location of Magazine		Pounds of Explosives	Certificate Number	Fee Collected	Number of blasting Caps	Certificate Number	Fee collected
	Post Office	County						
Bellrose Silica Company	Ottawa	LaSalle	20,000	1001	\$15.00	5,000	1002	\$15.00
Chesler Quarry Company	Chester	Randolph	15,000	1003	\$15.00	20,000	1004	\$15.00
Consolidation Coal Company-Hillsboro Mine	Coffey	Montgomery	4,000	1005	\$15.00	2,000	1006	\$15.00
Freeman United Coal Mining Company	Virden	Macoupin	10,000	1007	\$15.00	5,000	1008	\$15.00
Bangert Casing Pulling Corporation	Ingraham	Clay	800	1009	\$15.00	500	1010	\$15.00
Belleville Hardware Company	Belleville	St. Clair	50	1011	\$15.00	.....	.....	.....
Brown & Sons	Taylorville	Christian	50	1012	\$15.00	.....	.....	.....
Grayville Casing Pulling & Supply Company	Grayville	Edwards	250	1013	\$15.00	900	1014	\$15.00
Freeman United Coal Mining Company	DuQuoin	Perry	30,000	1015	\$40.00	25,000	1017	\$15.00
Freeman United Coal Mining Company	DuQuoin	Perry	30,000	1016	\$40.00	25,000	1018	\$15.00
A. B. Chrisman Fertilizer Company	Meredosia	Morgan	20,000	1019	\$15.00	5,000	1020	\$15.00
Columbia Quarry Company	Uxpress	Pulaski	40,000	1021	\$40.00	20,000	1022	\$15.00
Columbia Quarry Company	Valmeyer	Monroe	20,000	1023	\$15.00	25,000	1024	\$15.00
Columbia Quarry Company	Valmeyer	Monroe	40,000	1025	\$40.00	.....	.....	.....
Columbia Quarry Company	Columbia	St. Clair	100,000	1026	\$40.00	50,000	1027	\$15.00
Columbia Quarry Company	Dupo	St. Clair	35,000	1028	\$40.00	10,000	1029	\$15.00
Hulcher Quarry, Inc.	Nokomis	Montgomery	20,000	1030	\$15.00	2,000	1031	\$15.00
Consolidation Coal Company	Hurst	Jackson	32,000	1032	\$40.00	20,000	1033	\$15.00
Covington Stone Company, Inc.	New Minden	Washington	19,990	1034	\$15.00	20,000	1035	\$15.00
Gregory-Anderson Company Corporation	Rockford	Winnebago	15,000	1036	\$15.00	5,000	1037	\$15.00
Gregory-Anderson Company Corporation	Rockford	Winnebago	50,000	1039	\$40.00	50,000	1040	\$15.00
Consolidation Coal Company-Burning Star #3	Chulmine	Winnebago	60,000	1041	\$40.00	20,000	1042	\$15.00
Consolidation Coal Company-Burning Star #4	Perry	Winnebago	100,000	1043	\$40.00	35,000	1044	\$15.00
Consolidation Coal Company-Burning Star #2	Princetonville	Hamilton	500	1045	\$15.00	1,000	1046	\$15.00
Hubert Ballard	McLeansboro	Rock Island	20,000	1047	\$15.00	10,000	1048	\$15.00
Collinson Stone Company	McLean	Cook	1,000	1049	\$15.00	10,000	1050	\$15.00
Hillsdale Stone Corporation	Hillsdale	Cook	50	1051	\$15.00	100	1052	\$15.00
Egyptian Electric Cooperative Association	Murphysboro	Jackson	50	1053	\$15.00	500	1054	\$15.00
Basin Surveys, Inc.	Carmi	White	50	1055	\$15.00	1,500	1056	\$15.00
L. D. Davis Construction, Inc.	Cleveland	Henry	4,000	1057	\$15.00	300	1058	\$15.00
Cold Water Coal Company	Energy	Williamson	1,000	1059	\$15.00	2,000	1060	\$15.00
Graft Brothers Construction	Ava	Jackson	500	1061	\$15.00	.....	.....	.....
Blue Island Gun Shop, Inc.	Blue Island	Cook	150	1062	\$15.00	150	1063	\$15.00
Russell M. Harshman Company	Nulken	Montgomery	18,000	1064	\$15.00	4,000	1065	\$15.00
Peoria Coal Company Mine #1	Peoria	Christian	1,000	1066	\$15.00	10,000	1067	\$15.00
Old Ben Coal Company Mine #21	Peoria	Franklin	4,000	1068	\$15.00	2,000	1069	\$15.00
Morgan Hardware & Sporting Goods	Sesser	Clay	50	1070	\$15.00	.....	.....	.....
Long Rock Company Corporation	Louisville	Peoria	30,000	1071	\$40.00	2,000	1072	\$15.00
Lee Coal Company	Princetonville	Vermillion	10,000	1073	\$15.00	5,000	1074	\$15.00
Illinois Quarry Company	Tifton	Jackson	80,000	1075	\$40.00	10,000	1076	\$15.00
Iola Quarry, Inc.	Campbell Hill	Clay	19,990	1077	\$15.00	20,000	1078	\$15.00
Friend Well Surveys	Fairfield	Wayne	50	1079	\$15.00	200	1080	\$15.00

# CERTIFICATE OF COMPLIANCE—EXPLOSIVES—(Continued)

Name	Location of Magazine		Pounds of Explosives	Certificate Number	Fee Collected	Number of Blasting Caps	Certificate Number	Fee Collected
	Post Office	County						
H & M Well Services	Flora	Clay	50	1081	\$15.00	50	1082	\$15.00
W. R. Grace & Company, Agricultural Chemical Group	Henry	Marshall	100	1083	\$15.00	50	1084	\$15.00
Pitt's Quarry, Inc.	Radom	Washington	5,700	1085	\$15.00	8,000	1086	\$15.00
Allied Stone Company	Milan	Rock Island	50,000	1087	\$40.00	25,000	1088	\$15.00
FS Services, Inc.	East St. Louis	St. Clair	1,000	1089	\$15.00	1,000	1090	\$15.00
Buehne Quarry Company, Inc.	St. Rose	Clinton	15,000	1091	\$15.00	10,000	1092	\$15.00
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1093	\$50.00			
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1094	\$50.00			
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1095	\$50.00			
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1096	\$50.00			
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1097	\$50.00			
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1098	\$50.00			
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1099	\$50.00			
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1100	\$50.00			
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1101	\$50.00			
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1102	\$50.00			
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1103	\$50.00			
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1104	\$50.00			
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1105	\$50.00			
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1106	\$50.00			
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1107	\$50.00			
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1108	\$50.00			
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1109	\$50.00			
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1110	\$50.00			
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1111	\$50.00			
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1112	\$50.00			
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1113	\$50.00			
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1114	\$50.00			
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1115	\$50.00			
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1116	\$50.00			
E. I. DuPont De Nemours & Company	Marion	Williamson	300,000	1117	\$50.00			
Freeman United Coal Mining Company	Waltonville	Williamson	300,000	1118	\$50.00			
New American Forge & Fur	Marion	Jefferson	800	1119	\$15.00	5,000	1120	\$15.00
Normyle Berg & Associates, Inc.	Ducatur	Williamson	500	1121	\$15.00	5,000	1122	\$15.00
Ozark Mahoning Company	Milan	Rock Island	50	1123	\$15.00	7,500	1124	\$15.00
Ozark Mahoning Company	Rosiclare	Hardin	20,000	1126	\$15.00	15,000	1125	\$15.00
Ozark Mahoning Company	Cave-in-Rock	Hardin	36,000	1128	\$40.00	15,000	1127	\$15.00
Ozark Mahoning Company	Cave-in-Rock	Hardin	20,000	1131	\$15.00	15,000	1129	\$15.00
Ozark Mahoning Company	Rosiclare	Hardin	36,000	1132	\$40.00	15,000	1130	\$15.00
Ozark Mahoning Company	Cave-in-Rock	Hardin	20,000	1134	\$15.00	30,000	1133	\$15.00
Ozark Mahoning Company	Cave-in-Rock	Hardin	20,000	1134	\$15.00	30,000	1136	\$15.00

Ozak Mahoning Company	Hardin	1137	\$40.00	100	1139	\$15.00
Peabody Coal Company River King Mine Pit #6	Wabash	1138	\$15.00	1,000	1141	\$15.00
Cecil Newman Construction	Henry	1140	\$15.00	1,000	1143	\$15.00
Dale A. Patterson	Sangamon	1142	\$15.00	500	1145	\$15.00
Peabody Coal Company River King Mine Pit #6	Randolph	1144	\$40.00	30,000	1146	\$15.00
Peabody Coal Company Will Scarlet Mine	Randolph			15,000	1148	\$15.00
Borden, Inc. Chemical Division Smith Douglass	Saline			10,000	1150	\$15.00
Borden, Inc. Chemical Division Smith Douglass	Livingston	1147	\$15.00	10,000		
Oron Quarry, Inc.	Livingston	1149	\$15.00			
Missouri Gravel Company	Greene	1151	\$15.00			
Illinois Cement Co.	Pike	1152	\$15.00			
Illinois Cement Co.	Pike	1153	\$15.00	2,000	1154	\$15.00
Illinois Cement Co.	Madison	1155	\$15.00	5,000	1156	\$15.00
Illinois Cement Co.	Madison	1157	\$15.00	2,000	1158	\$15.00
Cleveland Quarry, Inc.	Edwards	1159	\$15.00	1,000	1160	\$15.00
Calcium Carbonate Company	Henry	1161	\$40.00	25,000	1162	\$15.00
Calcium Carbonate Company	Adams	1163	\$15.00	30,000	1164	\$15.00
Lametti & Sons, Inc.	Adams			30,000	1165	\$15.00
Jerry Mitchell Bristol	Adams	1166	\$15.00	5,000	1167	\$15.00
Rigsby & Bernard Quarry, Inc.	Madison	1168	\$15.00	20,000	1170	\$15.00
Lincoln Stone Quarry, Inc.	Madison	1169	\$15.00	10,000	1172	\$15.00
Midwest Sporting Goods Company, Inc.	Wilf	1171	\$15.00			
Zentel McKinley Williams Corporation	Clark	1173	\$15.00			
IMC Chemical Group, Inc.	Clark	1174	\$15.00	5,000	1175	\$15.00
IMC Chemical Group, Inc.	St. Clair	1176	\$15.00	1,000	1177	\$15.00
IMC Chemical Group, Inc.	Williamson	1178	\$50.00			
IMC Chemical Group, Inc.	Williamson	1179	\$50.00			
IMC Chemical Group, Inc.	Williamson	1180	\$50.00			
IMC Chemical Group, Inc.	Williamson	1181	\$50.00			
IMC Chemical Group, Inc.	Williamson	1182	\$50.00			
IMC Chemical Group, Inc.	Williamson	1183	\$50.00			
IMC Chemical Group, Inc.	Williamson	1184	\$50.00			
IMC Chemical Group, Inc.	Williamson	1185	\$50.00			
IMC Chemical Group, Inc.	Williamson	1186	\$50.00			
IMC Chemical Group, Inc.	Williamson	1187	\$50.00			
IMC Chemical Group, Inc.	Williamson	1188	\$50.00			
IMC Chemical Group, Inc.	Williamson	1189	\$50.00			
IMC Chemical Group, Inc.	Williamson	1190	\$50.00			
IMC Chemical Group, Inc.	Williamson	1191	\$50.00			
IMC Chemical Group, Inc.	Williamson	1192	\$50.00			
IMC Chemical Group, Inc.	Williamson	1193	\$50.00			
IMC Chemical Group, Inc.	Williamson	1194	\$50.00			
IMC Chemical Group, Inc.	Williamson	1195	\$50.00			
IMC Chemical Group, Inc.	Williamson	1196	\$50.00			
IMC Chemical Group, Inc.	Williamson	1197	\$50.00			
IMC Chemical Group, Inc.	Williamson	1198	\$50.00			
IMC Chemical Group, Inc.	Williamson	1199	\$50.00			
IMC Chemical Group, Inc.	Williamson	1200	\$50.00			
IMC Chemical Group, Inc.	Williamson	1201	\$50.00			
IMC Chemical Group, Inc.	Williamson	1202	\$50.00			
IMC Chemical Group, Inc.	Williamson	1203	\$50.00			
IMC Chemical Group, Inc.	Williamson	1204	\$50.00			
IMC Chemical Group, Inc.	Williamson	1205	\$50.00			
IMC Chemical Group, Inc.	Williamson	1206	\$50.00			
IMC Chemical Group, Inc.	Williamson	1207	\$50.00			
IMC Chemical Group, Inc.	Williamson	1208	\$50.00			
IMC Chemical Group, Inc.	Williamson			1,000,000	1185	\$15.00

# CERTIFICATE OF COMPLIANCE—EXPLOSIVES—(Continued)

Name	Location of Magazine		Pounds of Explosives	Certi- cate Number	Fee Collected	Number of blasting Caps	Certi- cate Number	Fee collected
	Post Office	County						
IMC Chemical Group, Inc.	Cartersville	Williamson	300,000	1209	\$50.00	...	...	...
Star Fireworks Mfg. Company, Inc.	Danville	Vermilion	300,000	1210	\$50.00	...	...	...
Star Fireworks Mfg. Company, Inc.	Danville	Vermilion	4,000	1211	\$15.00	...	...	...
Star Fireworks Mfg. Company, Inc.	Danville	Vermilion	1,000	1212	\$15.00	...	...	...
Star Fireworks Mfg. Company, Inc.	Danville	Vermilion	3,000	1214	\$15.00	...	...	...
Star Fireworks Mfg. Company, Inc.	Danville	Vermilion	3,000	1215	\$15.00	...	...	...
Star Fireworks Mfg. Company, Inc.	Danville	Vermilion	3,000	1216	\$15.00	...	...	...
Star Fireworks Mfg. Company, Inc.	Danville	Vermilion	2,000	1217	\$15.00	...	...	...
Star Fireworks Mfg. Company, Inc.	Danville	Vermilion	2,000	1218	\$15.00	...	...	...
Star Fireworks Mfg. Company, Inc.	Danville	Vermilion	1,000	1219	\$15.00	...	...	...
Star Fireworks Mfg. Company, Inc.	Danville	Vermilion	800	1220	\$15.00	...	...	...
Star Fireworks Mfg. Company, Inc.	Springfield	Sangamon	50	1221	\$15.00	...	...	...
Sponser Chemical Products Company	Decatur	Macon	13,000	1223	\$15.00	100	1222	\$15.00
Olin Corporation	East Alton	Madison	35,000	1224	\$40.00	...	...	...
Olin Corporation	East Alton	Madison	5,000	1225	\$15.00	...	...	...
Olin Corporation	East Alton	Madison	5,000	1226	\$15.00	...	...	...
Olin Corporation	East Alton	Madison	5,000	1227	\$15.00	...	...	...
Olin Corporation	East Alton	Madison	5,000	1228	\$15.00	...	...	...
Olin Corporation	East Alton	Madison	5,000	1229	\$15.00	...	...	...
Olin Corporation	East Alton	Madison	5,000	1230	\$15.00	...	...	...
Olin Corporation	East Alton	Madison	5,000	1231	\$15.00	...	...	...
Olin Corporation	East Alton	Madison	5,000	1232	\$15.00	...	...	...
Olin Corporation	East Alton	Madison	5,000	1233	\$15.00	...	...	...
Olin Corporation	East Alton	Madison	5,000	1234	\$15.00	...	...	...
Olin Corporation	East Alton	Madison	5,000	1235	\$15.00	...	...	...
Olin Corporation	East Alton	Madison	5,000	1236	\$15.00	...	...	...
Olin Corporation	East Alton	Madison	5,000	1237	\$15.00	...	...	...
Olin Corporation	East Alton	Madison	5,000	1238	\$15.00	...	...	...
Olin Corporation	East Alton	Madison	5,000	1239	\$15.00	...	...	...
Olin Corporation	East Alton	Madison	5,000	1240	\$15.00	...	...	...
Olin Corporation	East Alton	Madison	5,000	1241	\$15.00	...	...	...
Olin Corporation	East Alton	Madison	5,000	1242	\$15.00	...	...	...
Olin Corporation	East Alton	Madison	5,000	1243	\$15.00	...	...	...
Olin Corporation	East Alton	Madison	5,000	1244	\$15.00	...	...	...
Olin Corporation	East Alton	Madison	5,000	1245	\$15.00	...	...	...
Olin Corporation	East Alton	Madison	5,000	1246	\$15.00	...	...	...
Olin Corporation	East Alton	Madison	5,000	1247	\$15.00	...	...	...
Olin Corporation	East Alton	Madison	5,000	1248	\$15.00	...	...	...
Olin Corporation	East Alton	Madison	35,000	1249	\$40.00	...	...	...
Olin Corporation	East Alton	Madison	85,000	1250	\$40.00	...	...	...
Olin Corporation	East Alton	Madison	150,000	1251	\$50.00	...	...	...
Olin Corporation	East Alton	Madison	175,000	1252	\$50.00	...	...	...



Olin Corporation	East Alton	Madison	85,000	1253	\$40.00	4,000,000	1287	\$15.00
Olin Corporation	East Alton	Madison	125,000	1254	\$50.00	1,250,000	1288	\$15.00
Olin Corporation	East Alton	Madison	150,000	1255	\$50.00	130,000	1289	\$15.00
Olin Corporation	East Alton	Madison	150,000	1256	\$50.00	100	1291	\$15.00
Olin Corporation	East Alton	Madison	150,000	1257	\$50.00	3,000	1293	\$15.00
Olin Corporation	East Alton	Madison	55,000	1258	\$40.00	15,000	1296	\$15.00
Olin Corporation	East Alton	Madison	70,000	1259	\$40.00			
Olin Corporation	East Alton	Madison	150,000	1260	\$50.00			
Olin Corporation	East Alton	Madison	175,000	1261	\$50.00	2,000	1301	\$15.00
Olin Corporation	East Alton	Madison	100,000	1262	\$40.00	3,000	1303	\$15.00
Olin Corporation	East Alton	Madison	100,000	1263	\$40.00			
Olin Corporation	East Alton	Madison	40,000	1264	\$40.00			
Olin Corporation	East Alton	Madison	60,000	1265	\$40.00			
Olin Corporation	East Alton	Madison	60,000	1266	\$40.00			
Olin Corporation	East Alton	Madison	70,000	1267	\$40.00			
Olin Corporation	East Alton	Madison	70,000	1268	\$40.00			
Olin Corporation	East Alton	Madison	150,000	1269	\$50.00			
Olin Corporation	East Alton	Madison	50,000	1270	\$40.00			
Olin Corporation	Crainville	Williamson	300,000	1271	\$50.00			
Olin Corporation	Crainville	Williamson	300,000	1272	\$50.00			
Olin Corporation	Crainville	Williamson	300,000	1273	\$50.00			
Olin Corporation	Crainville	Williamson	300,000	1274	\$50.00			
Olin Corporation	Crainville	Williamson	300,000	1275	\$50.00			
Olin Corporation	Crainville	Williamson	300,000	1276	\$50.00			
Olin Corporation	Crainville	Williamson	300,000	1277	\$50.00			
Olin Corporation	Crainville	Williamson	300,000	1278	\$50.00			
Olin Corporation	Crainville	Williamson	300,000	1279	\$50.00			
Olin Corporation	Crainville	Williamson	100,000	1280	\$40.00			
Olin Corporation	Marion	Williamson	100,000	1281	\$40.00			
Olin Corporation	Marion	Williamson	100,000	1282	\$40.00			
Olin Corporation	Marion	Williamson	100,000	1283	\$40.00			
Olin Corporation	Marion	Williamson	100,000	1284	\$40.00			
Olin Corporation	Marion	Williamson	100,000	1285	\$40.00			
Olin Corporation	Marion	Williamson	100,000	1286	\$40.00			
Olin Corporation	Crainville	Williamson	50	1290	\$15.00			
Olin Corporation	Crainville	White	20,000	1292	\$15.00			
Olin Corporation	Wenonah	Montgomery	40,000	1294	\$40.00			
Olin Corporation	Alton	Madison	40,000	1295	\$40.00			
Olin Corporation	Alton	Madison	50	1297	\$15.00			
Olin Corporation	Colona	Henry	800	1298	\$15.00			
Olin Corporation	Colona	Rock Island	20,000	1299	\$15.00			
Olin Corporation	Colona	Rock Island	15,000	1300	\$15.00			
Olin Corporation	Cave-in-Rock	DeKalb	200	1302	\$15.00			
Olin Corporation	Shokie	Hardin	200	1304	\$15.00			
Olin Corporation	Shokie	Cook	200	1305	\$15.00			
Olin Corporation	Shokie	Cook	200	1306	\$15.00			
Olin Corporation	Shokie	Cook	200	1307	\$15.00	25,000	1308	\$15.00
Olin Corporation	Shokie	Cook	800	1309	\$15.00			
Olin Corporation	Shokie	Cook	1,000	1310	\$15.00	50,000	1311	\$15.00
Olin Corporation	Forest View	Cook	19,000	1312	\$15.00	20,000	1313	\$15.00
Olin Corporation	Elco	Alexander	1,000	1314	\$15.00	900	1315	\$15.00
Olin Corporation	Marion	Williamson	300,000	1316	\$50.00			

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# CERTIFICATE OF COMPLIANCE — EXPLOSIVES — (Continued)

Name	Location of Magazine		Pounds of Explosives	Certificate Number	Fee Collected	Number of blasting Caps	Certificate Number	Fee collected
	Post Office	County						
Dooley Brothers, Inc.	Marion	Williamson	300,000	1317	\$50.00	400,000	1318	\$15.00
Edwards Chemical Corporation	Marselles	LaSalle	100	1319	\$15.00	100	1320	\$15.00
Alfred Chemical Corporation, ICD, Minerva Mines	Cave-in-Rock	Hardin	30,000	1321	\$40.00	100,000	1322	\$15.00
Alfred Chemical Corporation, ICD, Minerva Mines	Cave-in-Rock	Hardin	44,000	1323	\$40.00	50,000	1324	\$15.00
Casper Stolle Quarry & Contracting Company	Cahokia	St. Clair	20,000	1325	\$15.00	20,000	1326	\$15.00
Charleston Stone Company, Inc.	Charleston	Coles	30,000	1327	\$40.00	20,000	1328	\$15.00
Midway Stone Company, Inc.	East Moline	Rock Island	50,000	1329	\$40.00	25,000	1330	\$15.00
The L. E. Myers Company	Decatur	Macon	50	1331	\$15.00	1,500	1332	\$15.00
Sahara Coal Company, Inc.	Harrisburg	Saline	20,000	1333	\$15.00	50,000	1334	\$15.00
Zen-McKinney-Williams	West Frankfort	Franklin	7,000	1335	\$15.00	3,000	1336	\$15.00
Valley View Dirt & Gravel Company	Cornell	Livingston	2,000	1337	\$15.00	2,000	1338	\$15.00
A. C. Pioneer Gun Supplies	Crossville	White	250	1339	\$15.00	.....	.....	.....
E. I. DuPont De Nemours & Company	Seneca	Grundy	250,000	1340	\$50.00	.....	.....	.....
E. I. DuPont De Nemours & Company	Seneca	Grundy	250,000	1341	\$50.00	.....	.....	.....
E. I. DuPont De Nemours & Company	Seneca	Grundy	250,000	1342	\$50.00	.....	.....	.....
E. I. DuPont De Nemours & Company	Seneca	Grundy	150,000	1343	\$50.00	.....	.....	.....
E. I. DuPont De Nemours & Company	Seneca	Grundy	250,000	1344	\$50.00	.....	.....	.....
E. I. DuPont De Nemours & Company	Seneca	Grundy	190,000	1345	\$50.00	.....	.....	.....
E. I. DuPont De Nemours & Company	Seneca	Grundy	250,000	1347	\$50.00	.....	.....	.....
E. I. DuPont De Nemours & Company	Seneca	Grundy	300,000	1349	\$50.00	.....	.....	.....
E. I. DuPont De Nemours & Company	Seneca	Grundy	270,000	1350	\$50.00	.....	.....	.....
E. I. DuPont De Nemours & Company	Seneca	Grundy	300,000	1351	\$50.00	.....	.....	.....
E. I. DuPont De Nemours & Company	Seneca	Grundy	300,000	1352	\$50.00	.....	.....	.....
E. I. DuPont De Nemours & Company	Seneca	Grundy	300,000	1353	\$50.00	.....	.....	.....
Southern Illinois Coal Corporation	Willisville	Perry	100,000	1354	\$50.00	.....	.....	.....
Stotz Quarry, Inc.	Prairie Du Rocher	Randolph	600	1356	\$40.00	50,000	1355	\$15.00
Swift Agricultural Chemicals Corporation	Fairmont City	St. Clair	20,000	1358	\$15.00	20,000	1357	\$15.00
Wedron Silica Division, Del Monte Properties Company	Wedron	LaSalle	20,000	1360	\$15.00	600	1359	\$15.00
American Limestone Company, Jonesboro Quarry	Jonesboro	Union	50,000	1362	\$15.00	10,000	1361	\$15.00
Jader Fuel Company	Harrisburg	Saline	2,000	1364	\$40.00	5,000	1363	\$15.00
R. L. O'Neal & Sons, Inc.	Crab Orchard	Williamson	2,000	1366	\$40.00	1,000	1365	\$15.00
Roberson & Associates, Illinois, Inc.	Belle River	Hancock	20,000	1368	\$15.00	5,000	1367	\$15.00
Southern Illinois Stone Company	Tuncombe	Jefferson	20,000	1370	\$15.00	5,000	1369	\$15.00
Western Illinois Stone Company	Quincy	Douglas	19,999	1372	\$40.00	3,000	1371	\$15.00
Western Illinois Stone Company	Mt. Sterling	Brown	20,000	1376	\$15.00	50,000	1375	\$15.00
Western Illinois Stone Company	Quincy	Adams	20,000	1378	\$15.00	5,000	1379	\$15.00
Shoof 'N' Shack	Lima	McDonough	50	1382	\$15.00	5,000	1381	\$15.00
Thomas Quarry, Inc.	Winchester	Scott	20,000	1383	\$15.00	.....	1384	\$15.00
Donald Warren Malone	Johnston City	Williamson	150	1385	\$15.00	500	1386	\$15.00
Specification Stone Company	Johnston	Christian	30,000	1387	\$40.00	10,000	1388	\$15.00
Ottawa Silica Company	Ottawa	LaSalle	50,000	1389	\$40.00	20,000	1390	\$15.00



# CERTIFICATE OF COMPLIANCE—EXPLOSIVES—(Continued)

Name	Location of Magazine		Pounds of Explosives	Certificate Number	Fee Collected	Number of blasting Caps	Certificate Number	Fee collected
	Post Office	County						
Rockford Blacktop Construction Company	Rockton	Winnebago	10,000	1473	\$15.00	2,000	1474	\$15.00
Rockford Blacktop Construction Company	Rockton	Winnebago	7,000	1475	\$15.00	1,000	1476	\$15.00
Brown Brothers Excavating	Carrier Mills	Saline	800	1477	\$15.00	1,500	1478	\$15.00
Park Outdoor Supplies	Frederick	Schuyler	50	1479	\$45.00	.....	.....	.....
Herbert Stevenson	Ottawa	LaSalle	40,000	1480	\$45.00	.....	.....	.....
Herbert Stevenson	Rockton	LaSalle	24,000	1481	\$40.00	100,00	1482	\$15.00
Tri-County Stone Company Plant #2	Nokomis	Madison	20,000	1483	\$15.00	10,000	1484	\$15.00
M. B. Crushing, Inc.	Rockton	Madison	20,000	1485	\$15.00	5,000	1486	\$15.00
M. B. Crushing, Inc.	Rochelle	Ogle	4,000	1487	\$15.00	5,000	1488	\$15.00
Midland Company, Division of ASARCO	Middlegrove	Fulton	20,000	1489	\$15.00	10,000	1490	\$15.00
Midland Company, Division of ASARCO	Middlegrove	Fulton	.....	.....	.....	10,000	1491	\$15.00
Madison County Highway Department	.....	.....	.....	.....	.....	100	1492	\$15.00
Missouri Portland Cement Company	Edwardsville	Madison	40,000	1493	\$40.00	5,000	1494	\$15.00
Missouri Portland Cement Company	Cave-in-Rock	Hardin	20,000	1495	\$15.00	2,000	1496	\$15.00
V. H. Callender Construction Company	Valley City	Pike	.....	.....	.....	2,000	1497	\$15.00
V. H. Callender Construction Company	New Hartford	Pike	.....	.....	.....	2,000	1498	\$15.00
Marquette Cement Mfg. Company	Oglesby	LaSalle	60,000	1500	\$15.00	25,000	1499	\$15.00
Tammsco, Inc.	Tamms	Alexander	4,000	1501	\$15.00	3,000	1501	\$15.00
Ammax Coal Company, A Division of Ammax, Inc., Leahy Mine	Willisville	Perry	20,000	1503	\$15.00	15,000	1502	\$15.00
Peabody Coal Company, Eagle Surface Mine	New Shawneetown	Gallatin	.....	.....	.....	20,000	1504	\$15.00
Peabody Coal Company, Eagle Surface Mine	New Shawneetown	Gallatin	.....	.....	.....	20,000	1505	\$15.00
Ristokat Clay Products Company	Lowell	LaSalle	1,000	1506	\$15.00	1,000	1507	\$15.00
Gain & Barger Well Survey	Ohney	Richland	50	1508	\$15.00	100	1509	\$15.00
Rebman Gun Shop	Auburn	Sangamon	10,000	1511	\$15.00	.....	.....	.....
McClure Quarries, Inc.	Tennessee	McDonough	200	1513	\$15.00	2,000	1512	\$15.00
McClure Quarries, Inc.	Engram	Fulton	.....	.....	.....	200	1514	\$15.00
Richard Oil Well Service, Inc.	Cherton	Richland	50	1516	\$15.00	250	1517	\$15.00
Star Jet Oil Well Service, Inc.	Ohney	Wabash	50	1518	\$15.00	250	1519	\$15.00
Department of Geology, Southern Illinois University	Marion	Williamson	1,000	1520	\$15.00	300	1521	\$15.00
Ammax Coal Company, Delta Mine	Marion	Williamson	18,000	1522	\$15.00	15,000	1523	\$15.00
Illinois Rotary Drilling Corporation	Tuscola	Douglas	19,995	1524	\$15.00	5,000	1525	\$15.00
Illinois Rotary Drilling Corporation	Momence	Kankakee	19,995	1526	\$15.00	.....	.....	.....
Illinois Rotary Drilling Corporation	Fairbury	Livingston	19,995	1527	\$15.00	5,000	1528	\$15.00
Illinois Rotary Drilling Corporation	Pontiac	Livingston	19,995	1529	\$15.00	10,000	1530	\$15.00
Dooley Brothers, Inc.	Pottstown	Peoria	150,000	1531	\$50.00	.....	.....	.....
Dooley Brothers, Inc.	Pottstown	Peoria	80,000	1532	\$40.00	200,000	1534	\$15.00
Dooley Brothers, Inc.	Pottstown	Peoria	50,000	1533	\$40.00	.....	.....	.....
Propellex Corporation	Edwardsville	Madison	5,000	1535	\$15.00	.....	.....	.....
Propellex Corporation	Edwardsville	Madison	500	1536	\$15.00	.....	.....	.....
Propellex Corporation	Edwardsville	Madison	20,000	1537	\$15.00	.....	.....	.....
Propellex Corporation	Edwardsville	Madison	20,000	1538	\$15.00	.....	.....	.....
Propellex Corporation	Edwardsville	Madison	20,000	1539	\$15.00	5,000	1540	\$15.00
Western Materials Company, Lehigh Operations	Chesley	Clark	10,000	1541	\$15.00	3,000	1542	\$15.00
Consolidation Coal Company	Cutler	Perry	40,000	43	\$40.00	.....	.....	.....

Monterey Coal Company	Carville	Macoun	4,000	1544	\$15.00
	Peabody Coal Company	St. Clair	20,000	1546	\$15.00
	Peabody Coal Company	St. Clair	20,000	1548	\$15.00
River King Mine #3	Virginia	Cass	50	1549	\$15.00
	Pekin	Tazewell	50	1550	\$15.00
	Karbers Ridge	Hardin	100	1551	\$15.00
Thomas Edward Newlin	Cambria	Williamson	20,000	1553	\$15.00
	Palestine	Crawford	50	1555	\$15.00
	Eldorado	Saline	500	1556	\$15.00
Southern Illinois Electric Cooperative	Anna	Union	20,000	1557	\$15.00
	St. Elmo	Pavette	20,000	1559	\$15.00
	Trioli	Pecora	5,000	1561	\$15.00
Midland Coal Company, Elm Mine	Trioli	Pecora	5,000	1562	\$15.00
	Midland Coal Company, Elm Mine	Pecora	5,000	1563	\$15.00
	Midland Coal Company, Elm Mine	Pecora	5,000	1565	\$15.00
Dresser Industries Incorporated	Stewardson	Shelby	2,000	1564	\$15.00
	Stewardson	Shelby	2,000	1566	\$15.00
	Stewardson	Shelby	2,000	1568	\$15.00
Dresser Industries Incorporated	Stewardson	Shelby	2,000	1569	\$15.00
	Stewardson	Shelby	2,000	1570	\$15.00
	Stewardson	Shelby	2,000	1572	\$15.00
Dresser Industries Incorporated	Stewardson	Shelby	2,000	1573	\$15.00
	Stewardson	Shelby	2,000	1574	\$15.00
	Stewardson	Shelby	2,000	1576	\$15.00
Dresser Industries Incorporated	Stewardson	Shelby	2,000	1577	\$15.00
	Stewardson	Shelby	2,000	1578	\$15.00
	Stewardson	Shelby	2,000	1579	\$15.00
Dresser Industries Incorporated	Stewardson	Shelby	2,000	1580	\$15.00
	Stewardson	Shelby	2,000	1581	\$15.00
	Stewardson	Shelby	2,000	1582	\$15.00
Dresser Industries Incorporated	Stewardson	Shelby	2,000	1583	\$15.00
	Stewardson	Shelby	2,000	1584	\$15.00
	Stewardson	Shelby	2,000	1585	\$15.00
Dresser Industries Incorporated	Stewardson	Shelby	2,000	1586	\$15.00
	Stewardson	Shelby	2,000	1587	\$15.00
	Stewardson	Shelby	2,000	1588	\$15.00
Dresser Industries Incorporated	Stewardson	Shelby	2,000	1589	\$15.00
	Stewardson	Shelby	2,000	1590	\$15.00
	Stewardson	Shelby	2,000	1591	\$15.00
Dresser Industries Incorporated	Stewardson	Shelby	2,000	1592	\$15.00
	Stewardson	Shelby	2,000	1593	\$15.00
	Stewardson	Shelby	2,000	1594	\$15.00
Dresser Industries Incorporated	Stewardson	Shelby	2,000	1595	\$15.00
	Stewardson	Shelby	2,000	1596	\$15.00
	Stewardson	Shelby	2,000	1597	\$15.00
Dresser Industries Incorporated	Stewardson	Shelby	2,000	1598	\$15.00
	Stewardson	Shelby	2,000	1599	\$15.00
	Stewardson	Shelby	2,000	1600	\$15.00
Dresser Industries Incorporated	Stewardson	Shelby	2,000	1601	\$15.00
	Stewardson	Shelby	2,000	1602	\$15.00
	Stewardson	Shelby	2,000	1603	\$15.00
Dresser Industries Incorporated	Stewardson	Shelby	2,000	1604	\$15.00
	Stewardson	Shelby	2,000	1605	\$15.00
	Stewardson	Shelby	2,000	1606	\$15.00
Dresser Industries Incorporated	Stewardson	Shelby	2,000	1607	\$15.00
	Stewardson	Shelby	2,000	1608	\$15.00
	Stewardson	Shelby	2,000	1609	\$15.00
Dresser Industries Incorporated	Stewardson	Shelby	2,000	1610	\$15.00
	Stewardson	Shelby	2,000	1611	\$15.00
	Stewardson	Shelby	2,000	1612	\$15.00

Name	Location of Magazine		Pounds of Explosives	Certifi- cate Number	Fee Collected	Number of blasting Caps	Certifi- cate Number	Fee collected
	Post Office	County						
Central States Mining Company, Inc.	Elkville	Jackson	1,000	1613	\$15.00	1,000	1614	\$15.00
Denny & Simpson Stone Company, Inc.	Cave-in-Rock	Hardin	5,000	1615	\$15.00	5,000	1616	\$15.00
Lacey & Bauer Quarry	Pike	Pike	10,000	1617	\$15.00	5,000	1618	\$15.00
Freeman United Coal Company, Orient Mine #6	Watonsville	Jefferson	2,500	1619	\$15.00	1,200	1620	\$15.00
Southern Illinois Minerals Corp.	DeSoto	Jackson	10,000	1621	\$15.00	5,000	1622	\$15.00
Kincaid	Taylorville	Christian	250	1623	\$15.00	.....	.....	.....
Henry A. Buessinger	Hillery	Vermillion	50	1624	\$15.00	.....	.....	.....
James Marvin McCoy	Chicago Heights	Cook	50	1625	\$15.00	.....	.....	.....
T B J's Gun Shop	Pittsfield	Pike	300,000	1627	\$15.00	.....	.....	.....
Explosives, Inc.	Pittsfield	Pike	300,000	1628	\$50.00	.....	.....	.....
Explosives, Inc.	Pittsfield	Pike	150,000	1629	\$50.00	.....	.....	.....
Explosives, Inc.	Pittsfield	Pike	80,000	1630	\$40.00	.....	.....	.....
Explosives, Inc.	Pittsfield	Pike	.....	.....	.....	1,000,000	1631	\$15.00
Southwestern Illinois Coal Corp., Streamline Mine	Percy	Randolph	45,000	1634	\$40.00	1,000,000	1632	\$15.00
Williams Quarry	Rosclaire	Hardin	10,000	1636	\$15.00	200,000	1633	\$15.00
Gibson Electric Company	Hillside	Cook	300,000	1639	\$50.00	50,000	1635	\$15.00
Austin Powder Company	Marion	Williamson	300,000	1640	\$50.00	500	1638	\$15.00
Austin Powder Company	Marion	Williamson	300,000	1641	\$50.00	.....	.....	.....
Austin Powder Company	Marion	Williamson	300,000	1642	\$50.00	.....	.....	.....
Austin Powder Company	Marion	Williamson	300,000	1643	\$50.00	1,000,000	.....	.....
Austin Powder Company	Marion	Williamson	300,000	1645	\$50.00	.....	.....	.....
Austin Powder Company	Marion	Williamson	300,000	1646	\$50.00	.....	.....	.....
Austin Powder Company	Marion	Williamson	300,000	1647	\$50.00	.....	.....	.....
Austin Powder Company	Marion	Williamson	300,000	1648	\$50.00	.....	.....	.....
Austin Powder Company	Marion	Williamson	300,000	1649	\$50.00	.....	.....	.....
Austin Powder Company	Marion	Williamson	300,000	1650	\$50.00	.....	.....	.....
Elmhurst-Chicago Stone Co., Corp.	Lisle	Will	1,000	1651	\$15.00	5,000	1652	\$15.00
Elmhurst-Chicago Stone Co., Corp.	Elmhurst	DuPage	1,000	1653	\$15.00	5,000	1654	\$15.00
Elmhurst-Chicago Stone Co., Corp.	Plainfield	Will	1,000	1655	\$15.00	5,000	1656	\$15.00
Southern Gun Shop	Prophetstown	Whiteside	50	1657	\$15.00	.....	.....	.....
Central Limestone Company	Lisbon	Kendall	20,000	1658	\$15.00	20,000	1659	\$15.00
Godfrey Reloading Supply	Brighton	Jersey	800	1660	\$15.00	.....	.....	.....
Midland Coal Company, Mecco Mine	Brighton	Jersey	50	1661	\$15.00	.....	.....	.....
Gun Bunting Service	Victoria	Knox	200	1662	\$15.00	2,000	1663	\$15.00
Explosives Engineering Service, Inc.	New Holland	Logan	50	1664	\$50.00	.....	.....	.....
Explosives Engineering Service, Inc.	Dixon	Lee	200,000	1665	\$50.00	.....	.....	.....
Explosives Engineering Service, Inc.	Sharon	Madison	100,000	1666	\$50.00	100,000	1667	\$15.00
M&C Chemical Group, Inc.	Sharnestown	Callatin	2,000	1668	\$15.00	2,000	1669	\$15.00
IMC Chemical Group, Inc.	Canterville	Williamson	300,000	1670	\$50.00	.....	.....	.....
IMC Chemical Group, Inc.	Canterville	Williamson	300,000	1671	\$50.00	.....	.....	.....
IMC Chemical Group, Inc.	Canterville	Williamson	300,000	1672	\$50.00	.....	.....	.....

IMC Chemical Group, Inc.	Carterville	300,000	1673	\$50.00	Williamson	1673	100	\$15.00	1687
IMC Chemical Group, Inc.	Carterville	300,000	1674	\$50.00	Williamson	1674	1,000	\$15.00	1689
IMC Chemical Group, Inc.	Carterville	300,000	1675	\$50.00	Williamson	1675	250,000	\$15.00	1694
IMC Chemical Group, Inc.	Carterville	300,000	1676	\$50.00	Williamson	1676	100,000	\$15.00	1696
IMC Chemical Group, Inc.	Carterville	300,000	1677	\$50.00	Williamson	1677	50,000	\$15.00	1700
IMC Chemical Group, Inc.	Carterville	300,000	1678	\$50.00	Williamson	1678	10,000	\$15.00	1705
IMC Chemical Group, Inc.	Carterville	300,000	1679	\$50.00	Williamson	1679	200	\$15.00	1707
IMC Chemical Group, Inc.	Carterville	300,000	1680	\$50.00	Williamson	1680	10,000	\$15.00	1709
IMC Chemical Group, Inc.	Carterville	300,000	1681	\$50.00	Williamson	1681	500	\$15.00	1711
IMC Chemical Group, Inc.	Carterville	300,000	1682	\$50.00	Williamson	1682	4,000	\$15.00	1713
IMC Chemical Group, Inc.	Carterville	300,000	1683	\$50.00	Williamson	1683	25,000	\$15.00	1715
IMC Chemical Group, Inc.	Carterville	300,000	1684	\$50.00	Williamson	1684	550	\$15.00	1717
IMC Chemical Group, Inc.	Carterville	300,000	1685	\$50.00	Williamson	1685	1,000	\$15.00	1724
IMC Chemical Group, Inc.	Carterville	300,000	1686	\$50.00	Williamson	1686	300	\$15.00	1726
USS Agr. Chemicals, Division of United States Steel Corporation	Chicago Heights	50	1686	\$15.00	Cook	1686	5,000	\$15.00	1730
Bridwell Division of Seismograph Service Corporation	Oney	950	1688	\$15.00	Richland	1688	2,000	\$15.00	1732
IMC Chemical Group, Inc.	Oney	20,000	1690	\$15.00	Richland	1690	100	\$15.00	1736
IMC Chemical Group, Inc.	Table Grove	30,000	1691	\$15.00	Fulton	1691	10,000	\$15.00	1738
IMC Chemical Group, Inc.	Hurst	100,000	1692	\$40.00	Jackson	1692	1,000	\$15.00	1742
IMC Chemical Group, Inc.	Dixon	25,000	1693	\$40.00	Lee	1693	5,000	\$15.00	1744
Explosives Incorporated	McCook	90	1695	\$15.00	Cook	1695	10,000	\$15.00	1746
Explosives Incorporated	Sullivan	50	1696	\$15.00	Moultrie	1696	50,000	\$15.00	1748
Spencer Firearms, Inc.	Sullivan	80,000	1698	\$40.00	Moultrie	1698	10,000	\$15.00	1750
Spencer Firearms, Inc.	Amboy	50	1701	\$15.00	Lee	1701	1,000	\$15.00	1752
Gulf Oil Chemical	Hillside	50	1702	\$15.00	White	1702	10,000	\$15.00	1754
Rigler's Smoke Ring	Rock Falls	50	1703	\$15.00	Rock Island	1703	1,000	\$15.00	1756
Strombeck's Custom Firearms	Rock Falls	30,000	1704	\$40.00	St. Clair	1704	500	\$15.00	1758
East St. Louis Stone Company	Marion	1,000	1706	\$15.00	Mercer	1706	1,000	\$15.00	1760
James McHugh Construction Company	Dupo	40,000	1708	\$40.00	Lee	1708	1,000	\$15.00	1762
James McHugh Construction Company	Joy	50	1710	\$15.00	Shelby	1710	1,000	\$15.00	1764
James McHugh Construction Company	Dixon	20,000	1712	\$15.00	Cook	1712	1,000	\$15.00	1766
James McHugh Construction Company	Shelbyville	20,000	1713	\$15.00	Winnemago	1713	1,000	\$15.00	1768
James McHugh Construction Company	Madison	20,000	1714	\$15.00	Monroe	1714	1,000	\$15.00	1770
James McHugh Construction Company	South Beloit	20,000	1715	\$15.00	White	1715	1,000	\$15.00	1772
James McHugh Construction Company	Watertown	20,000	1716	\$15.00	Boone	1716	1,000	\$15.00	1774
James McHugh Construction Company	Graville	20,000	1717	\$15.00	Boone	1717	1,000	\$15.00	1776
James McHugh Construction Company	Belvidere	20,000	1718	\$15.00	Williamson	1718	1,000	\$15.00	1778
James McHugh Construction Company	Black Hawk Gun Shop	300,000	1719	\$50.00	Williamson	1719	1,000	\$15.00	1780
James McHugh Construction Company	IMC Chemical Group, Inc.	300,000	1720	\$50.00	Williamson	1720	1,000	\$15.00	1782
James McHugh Construction Company	IMC Chemical Group, Inc.	300,000	1721	\$50.00	Williamson	1721	1,000	\$15.00	1784
James McHugh Construction Company	Madison Gun Shop	50	1722	\$15.00	McDonough	1722	1,000	\$15.00	1786
James McHugh Construction Company	The Powder Keg	500	1723	\$15.00	Williamson	1723	1,000	\$15.00	1788
James McHugh Construction Company	Ladysburg	500	1724	\$15.00	Williamson	1724	1,000	\$15.00	1790
James McHugh Construction Company	Marion	500	1725	\$15.00	White	1725	1,000	\$15.00	1792
James McHugh Construction Company	Carmi	15,000	1726	\$15.00	Madison	1726	1,000	\$15.00	1794
James McHugh Construction Company	Alton	300	1727	\$15.00	Cook	1727	1,000	\$15.00	1796
James McHugh Construction Company	Mt. Prospect	400	1728	\$15.00	Cook	1728	1,000	\$15.00	1798
James McHugh Construction Company	Mt. Prospect	400	1729	\$15.00	Cook	1729	1,000	\$15.00	1800
James McHugh Construction Company	Kane	20,000	1730	\$15.00	Greene	1730	1,000	\$15.00	1802
James McHugh Construction Company	Hillview	20,000	1731	\$15.00	Greene	1731	1,000	\$15.00	1804
James McHugh Construction Company	Peoria	50	1732	\$15.00	Williamson	1732	1,000	\$15.00	1806
James McHugh Construction Company	Crab Orchard	200	1733	\$15.00	Williamson	1733	1,000	\$15.00	1808
James McHugh Construction Company	Peoria	15,000	1734	\$15.00	Williamson	1734	1,000	\$15.00	1810
James McHugh Construction Company	Mt. Vernon	15,000	1735	\$15.00	Williamson	1735	1,000	\$15.00	1812
James McHugh Construction Company	Crab Orchard	15,000	1736	\$15.00	Williamson	1736	1,000	\$15.00	1814
James McHugh Construction Company	Mt. Vernon	15,000	1737	\$15.00	Williamson	1737	1,000	\$15.00	1816
James McHugh Construction Company	Taylorville	12,000	1738	\$15.00	Williamson	1738	1,000	\$15.00	1818
James McHugh Construction Company	Carthage	20,000	1739	\$15.00	Williamson	1739	1,000	\$15.00	1820
James McHugh Construction Company	Colchester	20,000	1740	\$15.00	Williamson	1740	1,000	\$15.00	1822
James McHugh Construction Company	Tilton	2,000	1741	\$15.00	Williamson	1741	1,000	\$15.00	1824
James McHugh Construction Company	Colchester	2,000	1742	\$15.00	Williamson	1742	1,000	\$15.00	1826
James McHugh Construction Company	Colchester	2,000	1743	\$15.00	Williamson	1743	1,000	\$15.00	1828
James McHugh Construction Company	Colchester	2,000	1744	\$15.00	Williamson	1744	1,000	\$15.00	1830
James McHugh Construction Company	Colchester	2,000	1745	\$15.00	Williamson	1745	1,000	\$15.00	1832

# CERTIFICATE OF COMPLIANCE — EXPLOSIVES — (Continued)

Name	Location of Magazine		Pounds of Explosives	Certi- cate Number	Fee Collected	Number of blasting Caps	Certi- cate Number	Fee collected
	Post Office	County						
Sullivan and Son	Mt. Carmel	Wabash	1,000	1747	\$15.00	1,000	1748	\$15.00
Mercer County Stone and Coal	Mathenville	Mercer	4,000	1749	\$15.00	1,200	1750	\$15.00
Winco Company	Marion	Williamson	20,000	1751	\$15.00	.....	.....	.....
Monsanto Company	Marion	Williamson	300,000	1752	\$50.00	.....	.....	.....
Zeigler Coal Company	Murdock	Douglas	500	1753	\$15.00	500	1754	\$15.00
Schlumberger Well Services	Watsela	Iroquois	50	1755	\$15.00	.....	.....	.....
Schlumberger Well Services	Watsela	Iroquois	300	1756	\$15.00	.....	.....	.....
Frank's Sport Shop	Decatur	Mason	50	1757	\$15.00	.....	.....	.....
Marvin Kincaid Farm Supply Store	Louisville	Clay	50	1758	\$15.00	.....	.....	.....
American Structures, Inc.	Asp	Madison	500	1759	\$15.00	500	1760	\$15.00
Expo Services Company, Inc.	Colchester	Madison	40,000	1761	\$40.00	.....	.....	.....
Expo Services Company, Inc.	Colchester	McDonough	40,000	1762	\$40.00	.....	.....	.....
Expo Services Company, Inc.	Dixon	Lee	225,000	1763	\$50.00	150,000	1764	\$15.00
Vern E. Alcock	Little York	Henderson	2,000	1765	\$50.00	.....	.....	.....
Consolidation Coal Company	Norris	Fulton	60,000	1766	\$40.00	1,000	1767	\$15.00
Turner Stone, Inc.	Ursa	Adams	20,000	1770	\$15.00	20,000	1769	\$15.00
Read Brothers, Inc.	Henry	Marshall	50	1772	\$15.00	5,000	1771	\$15.00
The Edward Gray Corporation	Chicago	Cook	400	1773	\$15.00	3,000	1774	\$15.00
Occidental Chemical Company	Kincaid	Iroquois	.....	.....	.....	250	1775	\$15.00
Henry A. Buesinger	Marion	Williamson	50	1776	\$15.00	.....	.....	.....
Lincoln Trail Arms	Marion	Williamson	50	1777	\$15.00	.....	.....	.....
Mine Service Company, Inc.	Savanna	Carroll	300,000	1778	\$90.00	.....	.....	.....
Kasbohm Custom Drilling, Inc.	Weston	Livingston	20,000	1779	\$15.00	5,000	1780	\$15.00
Howard Arnold Construction, Inc.	Elizabeth	Jo Daviess	15,000	1781	\$15.00	10,000	1782	\$15.00
Jo-Carroll Electric Cooperative	Gallena	Jo Daviess	.....	1784	\$15.00	500	1783	\$15.00
Louise Trenching Service	Calhoun Quarry	Calhoun	200	1785	\$15.00	1,000	1786	\$15.00
Gennings Gun Shop	Chicago	Stephenson	50	1788	\$15.00	.....	.....	.....
General Electric Construction Company	Chicago	Clark	.....	1790	\$15.00	150	1789	\$15.00
Richards Bros.	St. Charles	Jo Daviess	50	1791	\$15.00	.....	.....	.....
Gray Quarries, Inc.	Hamilton	Hancock	50	1793	\$15.00	100	1792	\$15.00
E. Wienen & Sons Const. Co., Inc.	Gallena	Jo Daviess	20,000	1795	\$15.00	5,000	1794	\$15.00
Bloomington Gun Company	Bloomington	McLean	1,000	1797	\$15.00	750	1796	\$15.00
Chenoa Stone Company	Chenoa	Livingston	50	1798	\$15.00	.....	.....	.....
Chenoa Stone Company	Chenoa	Livingston	10,000	1799	\$15.00	1,500	1800	\$15.00
Abingdon Rock Company	Abingdon	Warren	10,000	1801	\$40.00	2,000	1802	\$15.00
General Time Corporation, Electronics Division	Rolling Meadows	Cook	30,000	1803	\$15.00	.....	.....	.....
Mann & Son Sporting Goods	Pickneyville	Perry	100	1804	\$15.00	.....	.....	.....
Sievers Brothers Quarry, Inc.	Hardin	Jersey	50	1805	\$15.00	5,000	1806	\$15.00
Moline Consumers Company, Valley Quarry	St. Augustine	Warren	20,000	1807	\$40.00	21,000	1808	\$15.00
Moline Consumers Company, McMahon Quarry	Albany	Whiteside	50,000	1809	\$15.00	25,000	1810	\$15.00
J & B Shooting Supplies & Sporting Goods	Galesburg	Knox	10,000	1811	\$15.00	.....	.....	.....





# CERTIFICATE OF COMPLIANCE—EXPLOSIVES—(Concluded)

Name	Location of Magazine		Pounds of Explosives	Certificate Number	Fee Collected	Number of blasting Caps	Certificate Number	Fee collected
	Post Office	County						
Ludwig Explosives, Inc.	Morris	Grundy	150,000	1874	\$50.00	150,000	1875	\$15.00
Warren Heidbreder	Marion	Williamson	5,000	1876	\$15.00	.....	.....	.....
Freeman United Coal Mining Company	Dumterline	Fulton	25,000	1877	\$15.00	40,000	1878	\$15.00
Freeman United Coal Mining Company	Monterey	Fulton	20,000	1879	\$40.00	.....	.....	.....
Freeman United Coal Mining Company	Monterey	Fulton	20,000	1880	\$15.00	40,000	1881	\$15.00
Kehoe Materials, Inc.	Palmyra	Greene	25,000	1882	\$15.00	5,000	1883	\$15.00
Midwest South, Inc.	Greewood	Cook	50	1884	\$15.00	.....	.....	.....
Shapiro	Shapiro	DeKalb	50	1885	\$15.00	.....	.....	.....
Carter's Gun Shop, Inc.	Foreston	DeKalb	75,000	1886	\$40.00	5,000	1887	\$15.00
E. J. Kutz	Seneca	Ogle	.....	1888	\$15.00	5,000	1888	\$15.00
E. I. Du Pont de Nemours & Company, Inc.	Lemont	Grundy	350	1889	\$15.00	.....	.....	.....
S. J. Du Pont de Nemours & Company, Inc.	Freepont	Will	50	1890	\$15.00	.....	.....	.....
Bob's Gun Repairs	Freepont	Stephenson	50	1891	\$15.00	.....	.....	.....
Maxon Shooters Supplies	Mt. Prospect	Cook	50	1892	\$15.00	5,000	1893	\$15.00
Manin Marietta Aggregates Central Div.	Lincoln	Logan	20,000	1894	\$15.00	.....	.....	.....
Jerald K. Wilson	Bath	Mason	7,000	1895	\$15.00	.....	.....	.....
Cordova Quarry, Inc.	Cordova	Rock Island	4,000	1896	\$15.00	.....	.....	.....
Orland Park Gun Shop, Inc.	Orland Park	Cook	50	.....	.....	300,000	1897	\$15.00
Seneca	Seneca	Williamson	300,000	1898	\$50.00	.....	.....	.....
Seneca	Seneca	Grundy	300,000	1899	\$50.00	.....	.....	.....
Northbrook	Northbrook	Grundy	50	1900	\$15.00	.....	.....	.....
Streator	Streator	Cook	1,200	1901	\$15.00	300	1902	\$15.00
Crainville	Crainville	LaSalle	300,000	1903	\$50.00	.....	.....	.....
Porter	Porter	Williamson	300,000	1904	\$50.00	.....	.....	.....
Dick Springs	Dick Springs	Livingston	19,995	1905	\$15.00	5,000	1906	\$15.00
Litchfield	Litchfield	Poplar	5,000	1907	\$15.00	1,000	1908	\$15.00
Amboy	Amboy	Montgomery	150	1909	\$15.00	300	1910	\$15.00
Amboy	Amboy	Pope	2,000	1911	\$15.00	500	1912	\$15.00
Amboy	Amboy	Lee	5,000	1913	\$15.00	.....	.....	.....
Amboy	Amboy	Lee	5,000	1914	\$15.00	.....	.....	.....
Amboy	Amboy	Lee	5,000	1915	\$15.00	.....	.....	.....
Amboy	Amboy	Lee	5,000	1916	\$15.00	.....	.....	.....
Elgin	Elgin	Kane	50	1917	\$15.00	.....	.....	.....
Table Grove	Table Grove	Fulton	.....	.....	.....	75,000	1918	\$15.00
Richland	Richland	Fulton	170	1920	\$15.00	75,000	1919	\$15.00
Olney	Olney	Richland	50	1922	\$15.00	125	1921	\$15.00
Carbondale	Carbondale	Jackson	10,000	1923	\$15.00	15,000	1923	\$15.00
Crainville	Crainville	Williamson	.....	.....	.....	.....	.....	.....
Lincolnwood	Lincolnwood	Cook	50	1925	\$15.00	.....	.....	.....
Franklin Park	Franklin Park	Cook	50	1926	\$15.00	.....	.....	.....
Northbrook	Northbrook	Cook	50	1927	\$15.00	.....	.....	.....
Chicago	Chicago	Cook	.....	.....	.....	100	1928	\$15.00
Commonwealth Edison Company	Washington	Lake	300	1929	\$15.00	300	1930	\$15.00
Ozark Manufacturing Company	Rosiclare	Hardin	.....	.....	.....	5,000	1931	\$15.00

Ozark Mahoning Company	Cave-in Rock	Hardin	1933	5,000	1932	\$15.00
E-Z Living Belt & Tackle	Milan	Rock Island	1934	50	1932	\$15.00
Enterprise Coal Co.	Centralia	Clinton	1935	50	1936	\$15.00
The Coal Company, Inc.	Harrisburg	Saline	1937	5,000	1936	\$15.00
Olin Corporation	Cranville	Williamson	1938	300,000	1939	\$15.00
Jim's Gun Works	Morton	Tazewell	1938	50	1939	\$15.00
Boren Blasting, Inc.	Bellevue	Peoria	1940	300,000	1946	\$15.00
Olin Corporation	Marion	Williamson	1941	300,000	1946	\$15.00
Olin Corporation	Cranville	Williamson	1942	300,000	1946	\$15.00
Olin Corporation	Cranville	Williamson	1943	300,000	1946	\$15.00
Olin Corporation	Marion	Williamson	1944	300,000	1946	\$15.00
Olin Corporation	Craneville	Williamson	1944	300,000	1946	\$15.00
Olin Corporation	Sparta	Williamson	1944	300,000	1946	\$15.00
Southern Illinois Minerals Corporation	Bellevue	Randolph	1945	1,500	1946	\$15.00
Boren Blasting, Inc.	Bellevue	Peoria	1947	6,000	1946	\$15.00
Enterprise Coal Co.	Viola	Mercer	1948	50	1946	\$15.00
Frontier-Kemper Construction	Carlinville	Macoupin	1949	2,500	1950	\$15.00
Guthrie-Nash Mining Construction Company	Tilden	Washington	1951	5,000	1952	\$15.00
Donovan Dynamiting, Inc.	Danvers	McLean	1953	2,500	1954	\$15.00
Track of The Wolf Company	Mt. Vernon	Jefferson	1955	500	1954	\$15.00
Track of The Wolf Company	Mt. Vernon	Jefferson	1955	500	1954	\$15.00
Lametti & Sons, Inc.	Springfield	Sangamon	1956	600	1958	\$15.00
Eddie Joe Shelton	Meadow Brook	Sangamon	1956	100	1958	\$15.00
Shawnee Tradin Post	Unsell Hill	Madison	1959	3,000	1958	\$15.00
Explo-Midwest, Inc.	Rayson	Adams	1960	175,000	1958	\$15.00
Midland Coal Company, A Division of ASARCO, Inc.	Elwood	Peoria	1961	20,000	1962	\$15.00
Kirkaid Coal Company	Campbell Hill	Jackson	1964	20,000	1963	\$15.00
A. C. Packer Gun Supplies	Mt. Carmel	Wabash	1966	50	1965	\$15.00
E & B Coal Company	Crossville	White	1967	50	1969	\$15.00
Olin Corporation	Spillertown	Williamson	1968	1,500	1969	\$15.00
Olin Corporation	Marion	Williamson	1970	300,000	1969	\$15.00
Olin Corporation	Marion	Williamson	1971	300,000	1969	\$15.00
Rio Grande Engineering Company	Orion	Henry	1972	50	1974	\$15.00
Kenneth R. Smith	Emden	Logan	1973	200	1974	\$15.00

## EXPLOSIVES LICENSES ISSUED - 1977

License Number	Name of Applicant	Applicant's Address	County	Current Expiration Date
000 001	Daniel D. Graff.	Route #1, Ava, Illinois 62907.	Jackson	11-5-78
000 002	Vernon Eugene Scrivner	Route #3, Mt. Vernon, Illinois 62864	Jefferson	11-5-78
000 003	Merle Louis Gaber	424 South Main Street, Galena, Illinois 61026	Jo Daviess	11-5-75
000 004	James Robert Kolisek N/C	412 Bond Street, Benton, Illinois 62812	Franklin	11-5-78
000 005	Herman John Ziegele.	220 Westshore Drive, Morton, Illinois 61550	Tazewell	11-9-78
000 006	James Richard Kasbohm	36 Park Street, Savanna, Illinois 61074	Carroll	11-10-78
000 007	Harold Wayne Adams	Galatia, Illinois 62935	Saline	11-16-72
000 008	Mose Franklin Frailey	R.R. #1, Box 27-1, Cave-in-Rock, Illinois 62919	Hardin	11-16-78
000 009	Earl Dwayne Smith, Jr.	R.R. #1, Box 113, Elberfeld, Indiana 47613.	Warrick	11-19-78
000 010	William Harry Winters	Box 35, Cave-in-Rock, Illinois 62919	Hardin	11-23-75
000 011	James Bernard Schauble	Route #1, Box 12, Tennessee, Illinois 62374	McDonough	11-23-78
000 012	Josiah White Catron	P.O. Box 57, Fairview, Illinois 61432	Fulton	11-29-78
000 013	Gerald Paul Lippold	Carlinville, Illinois 62626	Macoupin	12-9-74
000 014	James B. McBride	Route #2, Sparta, Illinois 62886	Randolph	12-9-72
000 015	Kenneth W. Linder	Route #2, New Boston, Illinois 61272	Mercer	12-20-78
000 016	Dale Armour Patterson	R.R. #1, Dawson, Illinois 62520	Sangamon	12-27-77
000 017	Paul K. Steele	Box 106, Willisville, Illinois 62997	Perry	1-3-79
000 018	Ralph William Allen	Route #1, Delavan, Illinois 61734	Tazewell	1-3-77
000 019	John Lawrence Donovan	Box 322, Danvers, Illinois 61732	McLean	1-3-78
000 020	Terry Carl Barbe	415 Willard, Bloomington, Illinois 61701	Effingham	1-3-78
000 021	George Phillip Drumm	R.R. #2, Box 108, Effingham, Illinois 62401	Effingham	1-3-78
000 022	Wayne Richard Graff	Route #, Box 30, Chestnut, Illinois 62518	Logan	1-5-78
000 023	Elmer P. Meister	Route #1, Eureka, Illinois 61530.	Woodford	1-5-76
000 024	Michael James Cumberworth	R.R., Hillside, Illinois 61257	Rock Island	1-7-78
000 025	Clarence Edward Pruett	Route #2, Washburn, Illinois 61570.	Marshall	1-7-79
000 026	Harry Lee Ray	Route #1, Pittsburg, Illinois 62974	Williamson	1-11-73
000 027	Paul Martin Taulu	990 Magnolia, Gurnee Lake, Illinois 60031	Lake	1-13-73
000 027	William D. Addleman	Route #1, Little York, Illinois 61453	Warren	1-17-77
000 028	Yvo Rapp	Route #3, Waterloo, Illinois 62298	Monroe	1-17-78
000 029	Lewis Moore	Littleton, Illinois 62681	Schuyler	1-25-73
000 030	William A. Campbell	Route #2, Box 11, Staunton, Illinois 62088	Macoupin	1-25-78
000 031	C. Dayton McBeakem	22 Kingway Drive, Sherman, Illinois 62684	Sangamon	1-24-74
000 032	Donald D. Reagan	633 North Columbia Avenue, Oglesby, Illinois 61348	LaSalle	1-31-79
000 033	Rowland Henry Tucker	Minonk, Illinois 61760	Woodford	1-31-73
000 034	Clarence L. Wagner	Route #1, Kempton, Illinois 60946	Livingston	1-31-78
000 035	James K. Meisenheimer	619 Prairie, Des Plaines, Illinois 60016	Cook	1-31-77
000 036	Arlie Cagle	Route #2, Carterville, Illinois 62918	Williamson	1-31-73
000 037	James Gordon Weston	9401 North Sumac, Apt. E, Des Plaines, Illinois 60016	Cook	1-31-74
000 038	Ernest E. Zink	Paris, Illinois 61944.	Edgar	2-2-73
000 038	Michael Patrick Kenny	315 1/2 Armstrong Street, Morris, Illinois 60405	Grundy	2-9-75
000 039	C. Edward Hoos.	Route #3, Pittsfield, Illinois 62363	Pike	2-9-73
000 040	Leonard F. Clark	Route #2, Havana, Illinois 62644	Fulton	2-9-78
000 041	Anton John Rupe	Rutland, Illinois 61358	LaSalle	2-9-78
000 042	Roy Elmer Ehnlé	Route #3, Wyoming, Illinois 61491	Stark	2-9-78
000 043	Dwight R. Shoemaker	Sagamont Heights, Mahonet, Illinois 61853	Champaign	2-17-78
000 044	Robert A. Snyder	Dunlap, Illinois 61525	Peoria	2-17-78
000 045	Ben Rowe Harrison	Route #2, Marshall, Illinois 62441	Clark	2-17-73
000 046	Delbert H. Bergman	Burnside, Illinois 62318.	Hancock	2-22-78
000 047	Jerry Noble	Box 36, Joy, Illinois 61260	Mercer	2-22-78
000 048	Louis Joseph Dietz	R.R. #2, Box 234, Peoria, Illinois 61614	Peoria	2-28-75
000 049	Richard H. Munson	Route #1, Hanna City, Illinois 61536	Peoria	2-28-78
000 050	William Mattson Cole	200 Labor Drive, Jacksonville, Illinois 62650	Morgan	2-29-75
000 051	Harold Gene Graff	Minier, Illinois 61759	Tazewell	3-6-78
000 052	William Michael Ebert	904 Peoria Street, Washington, Illinois 61571	Tazewell	3-6-78
000 053	Keith E. Porch	R.R. #1, Box 40-A, Armstrong, Illinois 61721	Tazewell	3-6-78
000 054	Cecil Newman	651 Willard, Kewanee, Illinois 61443	Henry	3-15-78
000 055	Marvin W. Sarginson	Chesterfield, Illinois 62630	Macoupin	3-15-78
000 056	Clinton Tribby	Box 44, Kansas, Illinois 61933	Edger	3-15-76
000 057	Roy Joseph Brown	217 Tyler Drive, Arcola, Illinois 61910	Douglas	3-15-77
000 058	Charles E. McMillan	Pleasant Plaines, Illinois 62677	Sangamon	3-15-78
000 059	Carson Lee Hanner	R.R. #1, Kansas, Illinois 61933.	Edgar	3-15-78
000 060	Maurice H. Beckman	R.R. #1, Coffeen, Illinois 62017	Montgomery	3-16-78
000 061	Lloyd H. Fraese	Route #1, New Berlin, Illinois 62670	Sangamon	3-22-78
000 062	Clarence E. Bailey	501 North East Street, LeRoy, Illinois 61752.	McLean	3-27-76
000 063	Harry T. Allen	Allerton, Illinois 61810	Vermilion	3-27-78
000 064	Billy Lee Coon	R.R. #1, Box 118, Rantoul, Illinois 61866	Champaign	3-27-75
000 065	Robert L. Orick	R.R. #1, Thebes, Illinois 62990	Alexander	3-27-78
000 066	Delmer Dale Rees	R.R. #1, Heyworth, Illinois 61745.	McLean	3-27-76
000 067	Howard J. Kleiss	R.R. #1, Pesotum, Illinois 61863	Champaign	3-27-78
000 068	George W. Collins	Champaign, Illinois 61820.	Champaign	3-27-78
000 069	Norman H. Penoyer	791 Best Street, Marseilles, Illinois 61341	LaSalle	3-27-78
000 070	Jerry Allen Peterson	826 Union Street, Marseilles, Illinois 61341	LaSalle	3-27-77
000 071	Donald Lee Atkinson	R.R. #4, Geneseo, Illinois 61253	Henry	4-3-78
000 072	Alfred C. Boaz	634 East Bluff Street, Marseilles, Illinois 61341	LaSalle	4-3-78
000 073	James D. Boax	620 Overton Street, Marseilles, Illinois 61341	LaSalle	4-3-78
000 074	Robert J. Gnaedinger, Jr.	1387 Lincoln Avenue, Highland Park, Illinois 60035	Lake	4-3-78
000 075	Joseph Lazar	304 North Main Street, Zeigler, Illinois 62993.	Franklin	4-3-76
000 076	Jimmie L. Maynard	R.R. #1, Viola, Illinois 61486	Mercer	4-3-78
000 077	Ronnie W. Meyer	203 South Cherry Street, Vandalia, Illinois 62471.	Fayettee	4-3-75
000 078	Clarke A. Rediger.	Washburn, Illinois 61570	Marshall	4-3-73



## EXPLOSIVES LICENSES ISSUED - 1977

License Number	Name of Applicant	Applicant's Address	County	Current Expiration Date
000 079	Howard A. Sigley	Kampsville, Illinois 62053	Calhoun	4-3-77
000 080	Joseph F. Davis	R.R. #1, Catlin, Illinois 61817	Vermilion	4-11-78
000 081	Chas. E. Spang	Georgetown, Illinois 61846	Vermilion	4-11-76
000 082	Robert L. Guth	106 North Main Street, Flanagan, Illinois 62640	Livingston	4-19-77
000 083	David R. Drake	R.R. #1, Girard, Illinois 62640	Macoupin	4-19-78
000 084	Fred E. Alsene	R.R. #3, Bloomington, Illinois 61701	McLean	4-19-77
000 085	Homer S. Briney	Rushville, Illinois 62681	Schuyler	4-19-78
000 086	Russell E. Brighon	R.R. #2, Sheridan, Illinois 60551	LaSalle	4-19-78
000 087	James Larry Boyd	Rushville, Illinois 62681	Schuyler	4-19-78
000 088	Frank H. Bockhold	R.R. #2, Camp Point, Illinois 62320	Adams	4-19-74
000 089	Frank S. Davis	704 South State Street, Havana, Illinois 62644	Mason	4-19-78
000 090	David R. Fry	R.R. #1, Box 14-D, Mt. Sterling, Illinois	Brown	4-19-78
000 091	Fred Holmes	Mt. Pulaski, Illinois 62548	Logan	4-19-78
000 092	William V. Largent	Box 808, Tremont, Illinois 61568	Tazewell	4-19-74
000 093	Lawrence Elmer Meeker	Star Route #4, Warsaw, Illinois 62379	Hancock	4-19-78
000 094	Dohn Oswald Montgomery	R.R. #1, Box 135, Mason City, Illinois 62664	Mason	4-19-77
000 095	Robert John Oest	R.R. #1, Havana, Illinois 62644	Mason	4-19-78
000 096	Leaton Ralph Starman	R.R. #3, Quincy, Illinois 62301	Adams	4-19-74
000 097	Donald K. Crosby	501 Mozier, Pleasant Hill, Illinois 62366	Pike	4-20-77
000 098	Raymond Edward Hafley	Hennepin, Illinois 61327	Putnam	4-25-78
000 099	William S. Hofstetter	2108 North Sheridan Road, Peoria, Illinois 61600	Peoria	4-25-78
000 100	Gary Leo Kaney	R.R. #1, Baileyville, Illinois 61007	Stephenson	4-25-78
000 101	Stanley C. McGee	R.R. #3, Box 45, Louisville, Illinois 62858	Clay	4-25-77
000 102	Carl B. Schoenhard, Jr.	205 Blackhawk Drive, Galena, Illinois 61036	Jo Daviess	4-25-78
000 103	James Edward Strupfer	R.R. #1, LaMoille, Illinois 61330	Bureau	5-4-78
000 104	Melvin E. Thurston	Box 97, Pulaski, Illinois 62976	Pulaski	4-25-78
000 105	Louis C. Fester	R.R. #1, Dow, Illinois 62022	Jersey	4-25-73
000 106	Harry Arlington Hampel	Box 38, Burlington, Illinois 61019	Kane	5-1-78
000 107	Clyde L. Ishmael	R.R. #1, Oakford, Illinois 62673	Menard	5-1-78
000 108	Lyle D. McGinnis N/C	1816 Margaret Lane, DeKalb, Illinois 60115	DeKalb	5-1-78
000 109	Gerald E. Phillips	Route #2, Carterville, Illinois 62918	Williamson	5-1-74
000 110	William Henry Wyatt II.	Box 184, Cambria, Illinois 62915	Williamson	5-1-73
000 111	Andrew A. Jones	909 East McKinley, Marion, Illinois 62959	Williamson	5-2-76
000 112	Anson A. Bahns	Route #1, Effingham, Illinois 62401	Effingham	5-3-78
000 113	Lavern King	904 South Carbon Street, Marion, Illinois 62959	Williamson	5-3-76
000 114	Henry R. Kunz	R.R. #1, Rochester, Illinois 62563	Sangamon	5-3-78
000 115	Wilbert August Niebrugge	R.R. #1, Watson, Illinois 62473	Effingham	5-3-78
000 116	Frank L. White	Route #2, Marion, Illinois 62959	Williamson	5-4-73
000 117	Roland Wallace	R.R. #2, Clayton, Illinois 62324	Adams	5-9-76
000 118	Rodger Coddington Sears	R.R. #1, Atlanta, Illinois 61723	McLean	5-11-78
000 119	Frances C. Taylor	Route #1, Macedonia, Illinois 62860	Franklin	5-11-73
000 120	Donald Lynn Robb	Route #1, Liberty, Illinois 62347	Adams	5-15-73
000 121	Donald Arthur Robb	Box 131-A, Liberty, Illinois 62347	Adams	5-15-78
000 122	James Joseph Hoyle	R.R. #1, Rio, Illinois 61472	Knox	5-15-78
000 123	Larry Howard Roselieb	R.R. #2, Erie, Illinois 61250	Whiteside	5-15-75
000 124	Harry L. Frieden	Keithburg, Illinois 61442	Mercer	5-15-76
000 125	Glenn Howard Brown	7111 134 Avenue West, Taylor Ridge, Illinois 61284	Rock Island	6-15-78
000 126	Robert H. Braun	R.R. #3, Effingham, Illinois 62401	Effingham	5-15-78
000 127	James W. Bowlin	R.R. #2, Mason, Illinois 62443	Effingham	5-15-78
000 128	Edward Francis Clark	1515 Phelps Street, Ottawa, Illinois 61350	LaSalle	5-22-78
000 129	Jesse T. Mooney	Box 156, Fairview, Illinois 61432	Fulton	5-22-78
000 130	Robert V. Weese	Box 558, Dallas City, Illinois 62330	Hancock	5-22-74
000 131	Everett J. Jackson	R.R. #1, Harrisburg, Illinois 62046	Saline	5-26-73
000 132	John Henry Schue	Route #5, Box 39, Lockport, Illinois 60441	Will	5-26-78
000 133	Charles L. Duncan	147 Copper Kettle Lane, East Dubuque, Illinois 61025	Jo Daviess	5-31-78
000 134	Joe R. Gibson	East Seminary Street, Onarga, Illinois 60955	Iroquois	5-31-75
000 135	George H. Hoppe	Box 16, Elizabeth, Illinois 61028	Jo Daviess	5-31-78
000 136	Ronald Wayne Johnson	R.R. #1, Plainville, Illinois 62365	Pike	5-31-78
000 137	Clarence L. Wenger	R.R. #2, Roanoke, Illinois 61561	Woodford	5-31-78
000 138	Harry Bower, Jr.	R.R. #2, Lanark, Illinois 61046	Carroll	6-12-78
000 139	Barry D. Cravens	Georgetown, Illinois 61846	Vermilion	6-12-77
000 140	Olin U. Cowser	Woodhull, Illinois 61490	Henry	6-12-75
000 141	Philip A. Reed	416 South Madison, Carthage, Illinois 62321	Hancock	6-12-78
000 142	Harold F. Burley	R.R. #1, Virden, Illinois 62690	Macoupin	6-19-78
000 143	Jack H. Baldwin N/C	P.O. Box 116, Chapin, Illinois 62628	Morgan	6-21-78
000 144	Bryon Jay Booher	Armstrong, Illinois 61812	Vermilion	6-21-78
000 145	Merle E. Santelman	Route #1, Rutland, Illinois 61358	Marshall	6-21-76
000 146	Carl Herman Williams	510 14th Avenue, Sterling, Illinois 61081	Whiteside	6-21-78
000 147	Charles R. DeVillier	Deerwood Park, Centralia, Illinois 62801	Clinton	6-26-73
000 148	Wayne E. Breedlove	R.R. #2, Pekin, Illinois 61554	Tazewell	6-28-78
000 149	Frank LeRoy Haley, Sr.	335 South Gilson Street, Amboy, Illinois 61310	Lee	6-28-73
000 150	Fred H. Mathiesus	3200 North Richmond Road, McHenry, Illinois 60050	McHenry	6-28-78
000 151	Howard J. Stewart	228 North McKinley Street, Girard, Illinois 62640	Macoupin	6-28-76
000 152	Richard Rea Stotts	412 South Plum Street, Carmi, Illinois 62821	White	6-28-73
000 153	James William Andrew	Palmyra, Illinois 62674	Macoupin	7-13-74
000 154	Richard Lee Cleer	R.R. #1, Impava, Illinois 61441	Fulton	7-13-78
000 155	John LeRoy Lane	R.R. #2, Toulon, Illinois 61483	Stark	7-13-78
000 156	Donald Paul Turnbull	R.R. #1, Box 46, Illiopolis, Illinois 62539	Sangamon	7-13-78
000 157	Malcom Arthur Ball	4N547 Griffin Lane, St. Charles, Illinois 60174	Kane	7-21-78
000 158	Howard A. Ferguson	Box 52, Niota, Illinois 62358	Hancock	8-9-77



## EXPLOSIVES LICENSES ISSUED — 1977 — (Continued)

License Number	Name of Applicant	Applicant's Address	County	Current Expiration Date
000 159	George Herman Heidinger	706 South First Street, Gillespie, Illinois 62033	Macoupin	7-25-78
000 160	Richard James Hilby	R.R. #1, East Dubuque, Illinois 61025	Jo Daviess	7-25-78
000 161	Michael David Larson	RFD, Ellen Oaks, Genoa, Illinois 60135	DeKalb	7-25-78
000 162	Fred Nelson Monroe	Ursa, Illinois 62376	Adams	7-25-77
000 163	Robert P. Shamo	320 Adams Street, Savanna, Illinois 61074	Carroll	7-25-78
000 164	Eugene C. Starceovich	R.R. #2, Box 66 1/2, Pekin, Illinois 61554	Tazewell	7-25-78
000 165	George P. Stricklin	1208 Bergen Avenue, Ottawa, Illinois 61350	LaSalle	7-25-75
000 166	John Francis Turner	232 Hickory Street, Galena, Illinois 61036	Jo Daviess	7-25-78
000 167	Harold E. Wright	1205 Grandview, Jacksonville, Illinois 62650	Morgan	7-25-78
000 168	Thomas M. Shea	Route #1, Box 144-B, Elizabethtown, Illinois 62938	Hardin	7-31-78
000 169	Robert Hiram Reed	R.R. #1, Niota, Illinois 62358	Hancock	7-31-78
000 170	Carl Grisson	R.R. #1, Greenup, Illinois 62428	Cumberland	7-31-73
000 171	Theodore W. Schlieper	R.R. #1, Pleasant Hill, Illinois 62366	Pike	8-1-73
000 172	Robert W. Morris	Box 125C, R.R. #2, Gillespie, Illinois 62033	Macoupin	8-4-75
000 173	John W. Prillaman	R.R. #2, Potomac, Illinois 61865	Vermilion	8-9-78
000 174	Byford L. Stewart	R.R. #4, McLeansboro, Illinois 62959	Hamilton	8-10-78
000 175	Russell S. Brandau N/C	807 Burlington Street, Mendota, Illinois 61342	LaSalle	8-22-78
000 176	Kenneth A. Brunk	1419 Cherokee Lane, Ottawa, Illinois 61350	LaSalle	8-22-73
000 177	Cloyd Cleo Camplin N/C	208 West Center Street, Ottawa, Illinois 61350	LaSalle	8-22-78
000 178	Robert Fort Cowan	413 7th Street, Lacon, Illinois 61540	Marshall	8-22-78
000 179	Charles Boswell Connell	Grand Chain, Illinois 62941	Pulaski	8-22-78
000 180	Harold Earl Dively N/C	802 West Vine, Taylorville, Illinois 62568	Christian	8-22-78
000 181	Charles C. Ford	5621 Old Collinsville Road, Belleville, Illinois 62221	St. Clair	8-22-73
000 182	Richard John Gendeman	29 Stephen Street, Lemont, Illinois 60439	Cook	8-22-78
000 183	Fred R. Reader	R.R. #3, Peoria, Illinois 61607	Peoria	8-22-73
000 184	Joe Allen Smith	R.R. #3, Box 133, Summer, Illinois 62466	Lawrence	8-22-78
000 185	Roy R. Slater, Sr.	R.R. #1, Ipsava, Illinois 61441	Fulton	8-22-78
000 186	Jerry D. Reiman	R.R. #4, Murphysboro, Illinois 62966	Jackson	8-22-78
000 187	James F. Aulabaugh	South Main, Hettick, Illinois 62649	Macoupin	8-22-78
000 188	Rolla L. Benthall	Sesser, Illinois 62884	Franklin	9-8-73
000 189	Clyde William Colyer	Thebes, Illinois 62990	Alexander	9-8-78
000 190	Barney Leon Jones	R.R. #1, Brighton, Illinois 62012	Macoupin	9-8-78
000 191	Paul C. Heigold	1731-C Valley Road, Champaign, Illinois 61820	Champaign	9-8-78
000 192	William Lister Ramey	Route 14, West, Carmi, Illinois 62821	White	9-8-77
000 193	Eugene F. Shallabarger	234 Elm Street, Frankfort, Illinois 60423	Will	9-8-78
000 194	John Warren Warneke	923 Cheltes Ct., New Lenox, Illinois 60451	Will	9-8-73
000 195	John T. Ankenbrand	Route #4, Mt. Carmel, Illinois 62863	Wabash	9-12-78
000 196	Robert Lee Wettetein	R.R. #1, Eureka, Illinois 61530	Woodford	9-12-77
000 197	James D. Wyatt	447 Bruce Road, Lockport, Illinois 60441	Will	9-12-76
000 198	William F. Ritter N/C	230 White Avenue, Lincoln, Illinois 62656	Logan	9-19-78
000 199	Delmer L. Miller	929 Fackney Street, Carmi, Illinois 62821	White	9-19-78
000 200	William E. Carlson	640 Overton Street, Marseilles, Illinois 61341	LaSalle	9-20-78
000 201	Richard R. Comer	R.R. #1, Casey, Illinois 62420	Cumberland	9-20-77
000 202	Howard E. Myers, Jr.	1603 7th Street, Peru, Illinois 61354	LaSalle	9-20-73
000 203	Frank E. Albrecht	Route #2, General Barksdale, Murfreesboro, Tenn. 37130	Ruth	9-29-78
000 204	Leslie R. Ankrum	Route #1, Marnico Village, Jacksonville, Illinois 62650	Morgan	9-28-77
000 205	Dale Ronald Edgcomb	746 8th Street, LaSalle, Illinois 61301	LaSalle	9-28-74
000 206	William J. Harris	R.R. #4, Clinton, Illinois 61727	DeWitt	9-28-78
000 207	James W. Juraks	1021 Sherida Drive, Joliet, Illinois 60431	Will	9-28-77
000 208	John J. Ostermeier	1400 West Franklin Street, Taylorville, Illinois 62568	Christian	10-17-77
000 209	Philip Barnhard, Jr.	1200 South University, Provo, Utah 84601		10-17-74
000 210	Harry R. Chase	206 Railroad Street, Ohio, Illinois 61349	Lee	10-17-78
000 211	Eugene Francis Mahoney	1411 Glendale Avenue, Pekin, Illinois 61554	Tazewell	10-17-78
000 212	Charles J. Anderson	323 Davis Street, Sandwich, Illinois 60548	DeKalb	10-19-78
000 213	Thomas Kent Stevens	R.R. #7, Herman Addition, Quincy, Illinois 62301	Adams	10-26-78
000 214	Elvin LeRoy Quinn	1517 East Elm Street, Streator, Illinois 61364	LaSalle	11-20-78
000 215	Richard Charles Swaney	17 West 060 Woodland Avenue, Bensenville, Illinois 60106	DuPage	11-20-78
000 216	Emmit Edwin Powell	R.R. #2, Ramsey, Illinois 62080	Fayette	11-27-78
000 217	William LeRoy Coyle	2236 North Avenue, Metropolis, Illinois 62960	Massac	12-7-76
000 218	Murval Miles	2550 East Ash, Springfield, Illinois 62703	Sangamon	12-22-77
000 219	Robert E. Gunther	Camp Point, Illinois 62320	Adams	12-22-78
000 220	Carl G. Stevens	100 Loren Street, Washington, Illinois 61571	Tazewell	12-22-74
000 221	Wilbur A. Suhre	18 Allen Avenue, Hamel, Illinois 60246	Madison	12-27-76
000 222	William G. Knowles	1007 Cole Place, Chester, Illinois 62233	Randolph	1-12-78
000 223	Theodore Otis McCullough	133 Cottage, Box 190, Chandlerville, Illinois 62627	Cass	1-12-79
000 224	David A. Martin	739 South Main, Butte, Montana		1-24-74
000 225	Donald Paul Martin	3560 South Arizona, Butte, Montana		1-24-75
000 226	John A. Arianoutsos	4 Chestnut Court, Park Forest, Illinois 60466	Cook	1-24-77
000 227	John M. Lisk	215 South Main, Elizabeth, Illinois 61028	Jo Daviess	1-31-79
000 228	Lloyd Y. Price	360 Y Orange Street, Elizabeth, Illinois 61028	Jo Daviess	1-31-79
000 229	Michael M. Orr	452 June Terrace, Barrington, Illinois 60010	Lake	1-31-77
000 230	Danny Lee Crain	R.R. #1, Johnston City, Illinois 61951	Williamson	2-14-78
000 231	Russell S. Westerfield	Route #2, Lewistown, Illinois 61542	Fulton	2-21-78
000 232	Stephen Pogue Gregory	529 North Cherry, Galesburg, Illinois 61401	Knox	2-21-78
000 233	Rex Arthur Mynatt	R.R. #1, Carman, Illinois 61425	Henderson	2-21-78
000 234	John R. Harshman	RFD #3, Sullivan, Illinois 61951	Moultrie	2-21-78
000 235	Gregory Dean Smith	705 South Division Avenue, Palo, Illinois 61064	Ogle	3-19-74
000 236	William F. Graham	Ursa, Illinois 62376	Adams	3-19-78
000 237	John Earl Houser	3229 Western Avenue, Mattoon, Illinois 61938	Coles	3-19-75
000 238	Robert Lawton Stone	Box 191, Rosiclare, Illinois 62982	Hardin	3-23-78





## EXPLOSIVES LICENSES ISSUED – 1977 – (Continued)

License Number	Name of Applicant	Applicant's Address	County	Current Expiration Date
000 239	Milton A. Sobie	800 West Lincoln Ln., Des Plaines, Illinois 60016	Cook	3-26-78
000 240	Lawrence E. Sauerhage	Box 21, New Memphis, Illinois 62266	Clinton	3-30-78
000 241	David Allen Baker	218 South Walnut, Bethalto, Illinois 62010	Madison	4-12-75
000 242	Eugene Glenn Thurrow	R.R. #1, Sand Hill Road, Sheridan, Illinois 60551	LaSalle	4-12-76
000 243	Leo G. Kelly	705 Illinois Road, Wilmette, Illinois 60091	Cook	4-17-75
000 244	Dean L. Johnson	Route #1, Sandwich, Illinois 60548	LaSalle	4-17-78
000 245	William E. Dillon	1014 Long Meadow Lane, Western Springs, Illinois 60558	Cook	4-17-74
000 246	Roger C. McCreacken	Route #2, Lewistown, Illinois 61542	Fulton	4-17-78
000 247	Pete A. Sayre	Box 94, Oglesby, Illinois 61348	LaSalle	4-17-75
000 248	Reuban E. Hometh	R.R. #2, Savanna, Illinois 61074	Carroll	4-17-78
000 249	Robert W. Johnson	Route #1, Grand Ridge, Illinois 61325	LaSalle	4-17-78
000 250	Orryl R. Bundy	100 North Sycamore, Windsor, Illinois 61957	Shelby	4-18-78
000 251	Oliver Jack Beck	803 South Mattis, Apt. #4, Champaign, Illinois 61820	Champaign	4-18-78
000 252	William E. McPeak	Route #4, Louisville, Illinois 62858	Clay	4-18-78
000 253	Paul Robert Drechsler	R.R. #1, Yale, Illinois 62481	Jasper	4-18-75
000 254	Philip S. Stoffey	11220 South Washington, Chicago, Illinois 60658	Cook	5-1-78
000 255	John Harlan See	202 North Alabama, Chrisman, Illinois 61924	Edger	5-2-78
000 256	August J. Engelbaup	R.R. #1, Peru, Illinois 61354	LaSalle	5-3-74
000 257	Melvin Delmar Zobrist	R.R. #2, Pocahontas, Illinois 62275	Bond	5-7-76
000 258	Raymond Elmer Haynes	R.R. #1, Bement, Illinois 61813	Piatt	5-8-77
000 259	David W. Hockey	15 Churchill Dr., Burt Est., Coal City, Illinois 60416	Grundy	5-14-77
000 260	Eugene A. Pulcher	Box 121, East Carondelet, Illinois 62240	St. Clair	5-21-76
000 261	Louis Ira Mund	R.R. #1, East Carondelet, Illinois 62240	St. Clair	5-21-78
000 262	Richard Robert Rieger	R.R. #1, Forrest, Illinois 61741	Livingston	6-19-78
000 263	Elmer Sutton	413 Locust Street, Humboldt, Illinois 61931	Coles	6-19-78
000 264	Emanuel J. Valentino	281 South Main, Glen Ellyn, Illinois 60137	DuPage	6-19-74
000 265	Luther C. Cullor	RFD #1, Box 214, Forreston, Illinois 61030	Ogle	6-19-78
000 266	Gerald Louis DiPonio	2121 South Wolf Road, Hillside, Illinois 60162	Cook	6-19-74
000 267	Dennis Mario DeVitto	4940 Seeley, Downers Grove, Illinois 60515	DuPage	6-19-74
000 268	Arvil M. Brown	705 North Palmer Street, West Frankfort, Illinois 61896	Franklin	6-19-77
000 269	Orlyn LeRoy Lentman	R.R. #2, Streator, Illinois 61364	Livingston	6-19-78
000 270	Glen J. Rorison	405 East Lake Shore Drive, Barrington, Illinois 60010	Lake	6-19-78
000 271	George M. Fagerstrom	R.R. #2, Pecatonica, Illinois 61063	Winnebago	6-19-77
000 272	Michael Dillon Ryan	619 Clarence Avenue, Oak Park, Illinois 60300	Cook	7-3-78
000 273	Paul G. Phillips	Route #1, Box 94, Plano, Illinois 60545	Kendall	7-6-78
000 274	Bernard F. Booz	515 East Pierce Street, Burbank, Illinois 61455	McDonough	7-6-76
000 275	Jon David Dahle	Payson, Illinois 62360	Adams	7-13-77
000 276	David F. Johnson	R.R. #2, Jonesboro, Illinois 62952	Union	7-13-77
000 277	Bruce Ervan Titsch	Route #1, Quincy, Illinois 62301	Adams	7-13-78
000 278	Fred John Furston	5850 Oakwood Drive, Lisle, Illinois 60532	DuPage	7-20-74
000 279	Charles R. Hayden	Works for L. E. Myers of Decatur		
		R.R. #4, Box 176, Evansville, Indiana 47700		7-26-78
000 280	Harry Paul	2849 North 25th Street, Decatur, Illinois 62521	Macon	7-26-78
000 281	Douglas C. Bates	Route #2, Box 56, Golconda, Illinois 62938	Pope	7-26-78
000 282	Martin S. Furlane	515 North Raynor Avenue, Joliet, Illinois 60435	Will	8-15-78
000 283	James E. Samoska	5155 West 80th Place, Burbank, Illinois 60459	Cook	8-15-78
000 284	Russell Bruce Brown	P.O. Box #2, Old Appleton, Missouri 63770		8-15-78
000 285	Galen S. Danner	Browning, Illinois 62624	Schuyler	8-15-74
000 286	D. Burt Kyles	R.R. #6, Paris, Illinois 61944	Edgar	8-15-75
000 287	James Edward McElvain	709 Fremont Avenue, Morris, Illinois 60405	Grundy	8-15-78
000 288	Hoover K. Armstrong	R.R. #4, Marion, Illinois 62959	Williamson	8-15-78
000 289	Ray D. Bickings	1742 Rampart, Cape Girardeau, Missouri 63701		8-15-78
000 290	Elmer S. Boston	Chicago Road, Earlville, Illinois 60518	LaSalle	8-30-76
000 291	Arley G. Franklin	2220 Lincolnwood Drive, Evanston, Illinois 60201	Cook	9-6-74
000 292	Kent Rhynne Smith	412 North Second Street, Chillicothe, Illinois 61523	Peoria	9-21-76
000 293	Harold Roach	Route #2, Makanda, Illinois 62958	Union	9-21-78
000 294	John J. Borders	310 South Spruce Street, Pana, Illinois 62557	Christian	10-12-75
000 295	Maynard M. Kehl	Mt. Carroll, Illinois 61053	Carroll	10-12-78
000 296	James Wiley Hunt	803 South Center Street, Bensenville, Illinois 60106	DuPage	10-12-78
000 297	Alfred L. Baker	R.R. #1, Kilbourne, Illinois 62655	Mason	10-12-77
000 298	James Larkin Jones	R.R. #4, Box 413, S. Market, Marion, Illinois 62959	Williamson	1-12-78
000 299	Doyle D. Williams	R.R. #1, Box 341-A, Bonfield, Illinois 60913	Kankakee	10-12-78
000 300	Ed G. Schlensher	R.R. #3, McLeansboro, Illinois 62859	Hamilton	10-12-75
000 301	Charles Raymond Russell	910 South Busey, Urbana, Illinois 61801	Champaign	10-29-74
000 302	James L. O'Keefe	4802 North Main Street, Rockford, Illinois 61100	Winnebago	10-29-78
000 303	Robert H. Ebert	400 Eldridge Street, Washington, Illinois 61571	Tazewell	10-29-77
000 304	Frank Charles Siciliano	R.R. #1, Box 41, Dawson, Illinois 62520	Sangamon	11-27-77
000 305	Herbert Walter English	Rosiclare, Illinois 62882	Hardin	11-27-78
000 306	D. M. Tammern, Jr.	R.R. #1, Box 183, Gilman, Illinois 60938	Ingham	11-27-78
000 307	Carl G. Matson	401 East Central Blvd., Kewanee, Illinois 61443	Ingham	11-27-74
000 308	Frank Golden N/C	Route #1, Herod, Illinois 62847	Hardin	11-27-78
000 309	Francis E. Schier	715 South 1st Street, Oregon, Illinois 61061	Ogle	12-13-74
000 310	Thomas Morgan O'Brien	7707 Cedar Drive, Wonder Lake, Illinois 60097	McHenry	12-13-77
000 311	Robert E. Bunch	5111 Forest Grove, Loves Park, Illinois 61111	Winnebago	12-20-77
000 312	Robert Fred Davis	R.R. #1, Junction, Illinois 62954	Gallatin	12-20-77
000 313	Oscar E. Ellison	R.R. #1, Trenton, Illinois 62293	St. Clair	12-20-77
000 314	William Earl Luttrell	Box 74, Marseilles, Illinois 61341	LaSalle	12-30-78
000 315	William E. Neighbor	405 8th Avenue, Mendota, Illinois 61342	LaSalle	12-20-74
000 316	Dan E. Rook	Route #2, Hanover, Indiana 47243		12-20-78
000 317	Fred H. Wujek	1216 Ninth Street, LaSalle, Illinois 61301	LaSalle	12-20-78



## EXPLOSIVES LICENSES ISSUED—1977—(Continued)

License Number	Name of Applicant	Applicant's Address	County	Current Expiration Date
000 318	Robert John Peters	Box 6, Clayton, Illinois 62323	Adams	12-27-74
000 319	Jack Keith Dunlap	Route #1, Bridgeport, Illinois 62417	Lawrence	1-8-79
000 320	Elvis Edward Spencer	Box 296, Equality, Illinois 62934	Gallatin	1-8-77
000 321	Walter Morris Bryson, Jr.	1817 Highland Drive, Hollister, California 95023		1-8-75
000 322	John C. Garland	130 West Sixth Street, Springfield, Illinois 61362	Sangamon	1-16-79
000 323	Rosco B. Grisham	R.R. #3, Paris, Illinois 61949	Edgar	1-16-78
000 324	Roger Henry Livesey	3634 Willetta Drive, Roanoke, Va. 24018		1-18-79
000 325	Arthur R. Frank	320 Linden Lane, Mattoon, Illinois 61938	Coles	2-5-75
000 326	William Lewis Daily	Route #1, Sullivan, Illinois 61951	Moultrie	2-5-75
000 327	Raymond H. Vinyard	Route #1, Harrisburg, Illinois 62946	Saline	3-5-78
000 328	Earl E. Wanzel	R.R. #1, Carmi, Illinois 62821	White	3-5-78
000 329	Karl Wesley Cossens	2830 Fifth Street, Peru, Illinois 61354	LaSalle	3-5-75
000 330	Harry K. Hogan	3012 Moultrie, Mattoon, Illinois 61938	Coles	3-8-75
000 331	Franklin M. Porter	11150 North Main Road, Rockton, Illinois 61072	Winnebago	3-8-78
000 332	Harold J. West, Sr.	13902 West 147th Pl., Lockport, Illinois 60441	Will	3-19-78
000 333	David K. Sanders	Route #1, Chana, Illinois 61015	Ogle	3-19-78
000 334	Harold Menge	1210 Menge Road, Marengo, Illinois 60152	McHenry	3-19-78
000 335	Steven R. Miller	R.R. #1, Davis Junction, Illinois 61020	Ogle	3-19-78
000 336	Gerald C. Carlson	704 North Reed Street, Joliet, Illinois 60435	Will	3-19-78
000 337	Ronald Miller	R.R. #1, Chana, Illinois 61015	Ogle	3-19-78
000 338	Victor Arthur Sterner	9 Devon Ct., Edwardsville, Illinois 62025	Madison	3-26-75
000 339	Virgil Bader	Country Club Road, Charleston, Illinois 61920	Coles	3-26-77
000 340	George F. Cooley	R.R. #1, Shattuc, Illinois 62283	Clinton	3-26-78
000 341	Charles Joseph Petrak	167th Street & 97th Avenue, Orland Park, Illinois 60462	Cook	3-26-78
000 342	William Eugene Simpson	R.R. #1, LaSalle, Illinois 61301	LaSalle	3-26-78
000 343	James Edward Harmon	Box 471, Vienna, Illinois 62995	Johnson	3-26-76
000 344	Harley Deon Tite	General Delivery, Carrier Mills, Illinois 62917	Saline	3-29-75
000 345	Leonard C. Pratt	Box 115, Farmersville, Illinois 62533	Montgomery	3-29-77
000 346	Dennis Neil Simmons	R.R. #1, Ozark, Illinois 62972	Johnson	3-29-76
000 347	Ronald Louis Kibort	2124 Miracle, Granite City, Illinois 62040	Madison	4-2-76
000 348	Joseph F. Kazianka	5340 North Rockwell Street, Chicago, Illinois 60625	Cook	4-5-78
000 349	Bruce E. Wilson	717 Marshall, Mattoon, Illinois 61938	Coles	4-5-75
000 350	Freddie Wright	507 East Main Street, Robinson, Illinois 62454	Crawford	4-15-77
000 351	Bill Craig	R.R. #2, North Studell Street, Benton, Illinois 62812	Franklin	4-17-77
000 352	Willard L. Shanklin	R.R. #1, Eureka, Illinois 61530	Woodford	4-24-78
000 353	Donald F. Schanks	1178 Walnut Street, Marseilles, Illinois 61341	LaSalle	5-2-78
000 354	Stephen Dennis Hoeft	Route #2, Valmeyer, Illinois 62295	Monroe	5-8-78
000 355	William Ernest Lanseff	R.R. #1, Greenfield, Illinois 62295	Greene	5-8-78
000 356	John Michael Endres	R.R. #1, Trigger Road, Edwards, Illinois 61525	Peoria	5-28-76
000 357	Franklin F. Kotter	R.R. #2, Rushville, Illinois 62681	Schuyler	5-28-75
000 358	John P. Coughlin	R.R. #2, Chanderville, Illinois 62627	Mason	5-28-78
000 359	William W. Odum	Route #1, Tunnell Hill, Illinois 62991	Johnson	6-3-76
000 360	Ernest M. Rhodes	RFD #1, Jonesboro, Illinois 62952	Union	6-3-76
000 361	Robert R. Albrecht	RFD #2, Tiskilwa, Illinois 61368	Bureau	6-3-77
000 362	Thomas E. Glynn	R.R. #, LaSalle, Illinois 61301	LaSalle	6-3-77
000 363	Cyrus W. Keech	R.R. #1, White Hall, Illinois 60292	Greene	6-3-77
000 364	Leonard B. King	R.R. #1, Oglesby, Illinois 61348	LaSalle	6-3-78
000 365	Walter P. Boughton	R.R. #2, Plainfield, Illinois 60544	Will	6-3-78
000 366	Donald W. Collister	R.R. #2, Galva, Illinois 61434	Knox	6-3-78
000 367	C. Edward Hoos	Route #3, Pittsfield, Illinois 62363	Pike	6-12-78
000 368	Hugh D. Cass	R.R. #2, Ohio, Illinois 61349	Lee	6-20-78
000 369	Donald Eugene Cain	R.R. #1, Vapella, Illinois 61777	DeWitt	6-21-77
000 370	Donald Marvin Kirsch	R.R. #3, McLeansboro, Illinois 62859	Hamilton	7-1-78
000 371	Burnell R. Burnavold	Ridgewood Road, Milan, Illinois 61201	Rock Island	7-2-78
000 372	Kenneth Eugene Kopf	R.R. #1, Durant, Iowa 52747		7-2-78
000 373	Erich VonThurn	3919 32nd Avenue, Moline, Illinois 61265		7-2-78
000 374	Leon Joseph Dourlet	514 East 169th Street, South Holland, Illinois 60473	Rock Island	7-22-78
000 375	Richard Lee Fett	Box 232, Denmark, Iowa	Cook	7-22-77
000 376	Orville Lee Shellhorse	Louisiana, Missouri 63355		8-1-75
000 377	Glenn Barker	401 North Green Street, Anna, Illinois 62906	Union	8-7-77
000 378	Paul Wayne Dollins	805 Harmon Drive, Urbana, Illinois 61801	Champaign	8-7-78
000 379	Herman Krier	208 Elmwood Road, Champaign, Illinois 61820	Champaign	8-7-76
000 380	Larry Gail Murphy	1629 5th Street, Madison, Illinois 62060	Madison	8-9-76
000 381	Jerome Bishop Campbell	Box 38, Milton, Illinois 62352	Pike	8-14-78
000 382	Ronald Johnson	Lot 29, 20th Street, Murphysboro, Illinois 62966	Jackson	8-20-78
000 383	David F. Livingston	815 Locust Street, Minonk, Illinois 61760	Woodford	8-26-77
000 384	Jack Vaughn	R.R. #3, Oblong, Illinois 62449	Crawford	9-1-78
000 385	John H. Spalding	R.R. #1, Box 150-A, Princeville, Illinois 61559	Peoria	9-4-77
000 386	William D. Christison	Route #1, Pittsfield, Illinois 62363	Pike	9-4-78
000 387	William G. Arkebaver	R.R. #1, Irving, Illinois 62051	Montgomery	9-16-75
000 388	Leo Vance Goujon	729 Groveland, Creve Coeur, Illinois 61611	Tazewell	9-16-78
000 389	Larry Lee McNeely	Livingston Avenue, Livingston, Illinois 62058	Madison	9-16-75
000 390	Donald G. Matthews	331 East Liberty Street, Walnut, Illinois 61376	Bureau	9-26-77
000 391	Paul Martin Hines	1105 South 26th Street, Mt. Vernon, Illinois 62864	Jefferson	9-26-75
000 392	Ralph C. Hix	309 Pine Street, Joliet, Illinois 60435	Will	9-30-76
000 393	Clayton H. Collinsworth	16620 East Admiral Blvd., Tulsa, Oklahoma 74138		9-2-78
000 394	Carl E. Jones	514 East LaRue Street, Pensacola, Florida 32504		9-30-75
000 395	Donald G. Andrews	9720 North Davis Highway, Pensacola, Florida 32504		9-30-75
000 396	Charles F. Jones	Box 133, Erick, Illinois 73645		9-30-75
000 397	John Sheldin Koehler	2124 Gre COURT, Toledo, Ohio 43619		9-30-75



## EXPLOSIVES LICENSES ISSUED — 1977 — (Continued)

License Number	Name of Applicant	Applicant's Address	County	Current Expiration Date
000 398	Jon Marshall Coon	1511 LaRue East, Pensacola, Florida 32501		9-30-76
000 399	Earnest Edwin Zink	Route #3, Paris, Illinois 61944	Edgar	10-8-78
000 400	Keith Alan Stoeger	5461 North East River Road, Apt. 203, Chicago, Illinois 60656	Cook	10-8-78
000 401	Bill Lee Ernst	319 East Cape Rock Drive, Cape Girardeau, Missouri 63701	Cook	10-8-78
000 402	How-Kim Wong	608 Russel Road, DeKalb, Illinois 60155	DeKalb	10-8-75
000 403	Robert Finch Flagg	5793 Greenridge Road, Castro Valley, California 94546		10-18-78
000 404	Stephen Robert Ayers	R.R. #2, Box 127, Bement, Illinois 61813	Piatt	10-25-78
000 405	Stephen Michael Wells	R.R. #3, Canton, Illinois 61520	Fulton	11-1-77
000 406	Donald Frank DeWitts	2908-265th Street North, Hillsdale, Illinois 61257	Rock Island	11-1-78
000 407	Melvin Martin Scheear	R.R. #2, Box 177, El Paso, Illinois 61738	Woodford	11-18-75
000 408	Robert E. Anderson	2917 Dale Avenue, Granite City, Illinois 60240	Madison	11-21-78
000 409	John B. Higginbotham	R.R. #1, Oakford, Illinois 612673	Menard	1-1-79
000 410	Junior R. Couch	Box 105, Marseilles, Illinois 61341	LaSalle	2-11-76
000 411	Theodore J. Keil, Jr.	Box 57, Du Bois, Illinois 62831	Washington	2-11-78
000 412	Larry Earl Bird	404 8th Street, Peru, Illinois 61354	Bureau	2-11-78
000 413	Donald R. Logan	Box 13, Tennessee, Illinois 62374	McDonough	2-13-78
000 414	Mark W. Fromm	R.R. #2, Omaha, Illinois 62871	Gallatin	2-20-78
000 415	James Elliot Novak	913 Maplewood Avenue, Peoria, Illinois 61604	Peoria	3-5-77
000 416	Richard L. Curtin	1820 Richview Road, Mt. Vernon, Illinois 62864	Jefferson	3-7-78
000 417	Phillip Gun Flesor	3004 Richwood Avenue, Mattoon, Illinois 61938	Sangamon	3-7-76
000 418	Candlish Wayne Cola	1408 Fayette, Springfield, Illinois 62704	Sangamon	3-18-77
000 419	Ralph Kenneth Seboldt	Route #2, Fults, Illinois 62244	Montro	4-1-77
000 420	Robert William Hayes	405 West Butternut, Elmwood, Illinois 61529	Peoria	4-8-78
000 421	Ken E. Sheely	R.R. #2, Box 211-A, Forreston, Illinois 61030	Ogle	4-8-77
000 422	James R. Heissing	R.R. #2, Rochester, Illinois 62563	Sangamon	4-11-77
000 423	Robert Eugene Keyes	R.R. #1, New Berlin, Illinois 62670	Sangamon	4-11-78
000 424	Larry Eugene Turley	Route #1, Mulkeytown, Illinois 62865	Franklin	4-17-76
000 425	Jack Earl Foulke	South Jackson Street, Brimfield, Illinois 61517	Peoria	4-25-77
000 426	Paul E. Griffin	600 South West 17th, Fairfield, Illinois 62837	Wayne	4-25-76
000 427	Howard A. Sibley	Kimpsville, Illinois 62053	Calhoun	5-2-77
000 427	Paul Joseph Hibser	209 Glenaire Ct., Peoria, Illinois 61614	Peoria	4-25-78
000 428	William M. Tomlin	894 East Fremont Street, Galesburg, Illinois 61401	Knox	5-5-78
000 429	Samuel Joseph Buck, Jr.	R.R. #2, Box 240, Washburn, Illinois 61570	Marshall	5-5-78
000 430	Emery Smith	R.R. #1, Box 34, Kibbourne, Illinois 62655	Mason	5-5-78
000 431	Esdon Dale Tite	R.R. #1, Ozark, Illinois 62972	Johnson	5-8-77
000 432	Stephen D. Mills	1299 River Drive, Calumet City, Illinois 60409	Cook	5-8-77
000 433	Melvin Lee May	R.R. #1, Easton, Illinois 62633	Mason	5-13-78
000 434	Raymond J. Voelker, Jr.	56 Monroe Street, Elgin, Illinois 60120	Kane	5-13-77
000 435	Joseph P. Hanes	Kinderhook, Illinois 62345	Pike	5-22-78
000 436	Michael Bruce Baehr	Box 33, Camp Point, Illinois 62320	Adams	6-3-78
000 437	Barr House McReynolds	138 Holiday Drive, Quincy, Illinois 62301	Adams	6-3-78
000 438	John Paul Tomlinson	453 West Jefferson, Rushville, Illinois 62681	Schuyler	6-11-78
000 439	Walter W. Winget II	135 West Forest Hill, Peoria, Illinois 61603	Peoria	6-13-78
000 440	Fred Vessie Blake	R.R. #1, Kirkwood, Illinois 61447	Henderson	6-23-76
000 441	Roy Jewell Cook	Box 13, Galatia, Illinois 62935	Saline	6-23-76
000 442	Lorin Dale Graff	R.R. #4, Box 243, Murphysboro, Illinois 62966	Jackson	6-23-78
000 443	Avery Question Sneed	Box 29, Rosiclare, Illinois 62982	Hardin	6-23-78
000 444	John A. Terselic	R.R. #1, Oglesburg, Illinois 61348	LaSalle	6-23-78
000 445	William Norris Wood	Box 22, Omaha, Illinois 62871	Gallatin	6-23-76
000 446	Lawrence Lee Lewis	8 Birch Lane, Sparta, Illinois 62286	Randolph	6-27-77
000 447	Howard W. Sidenstick	17715 Stonebridge Drive, Hazel Crest, Illinois 60479	Cook	7-7-78
000 448	Donald C. Dergantz	1588 Notre Dame, Crete, Illinois 60417	Will	7-7-78
000 449	Ben Dryden Peters	Route #3, Box 166, Litchfield, Illinois 62056	Montgomery	7-7-78
000 450	Floyd William Lee	Penz Drive, Oakwood, Illinois 61858	Vermilion	7-14-78
000 451	Harvey Ralph Cash	R.R. #1, Clay City, Illinois 62824	Clay	7-16-78
000 452	George E. Moyber	R.R. #2, Dongola, Illinois 62926	Pulaski	7-21-76
000 453	Lawrence D. Oller	R.R. #3, Box 75, Taylorville, Illinois 62568	Christian	7-21-77
000 454	William Nolan Bland	R.R. #7, Bloomington, Illinois 61701	McLean	7-21-77
000 455	Joseph Castranza, Jr.	Box 385, 220 N. Morgan St., Rushville, Illinois 62681	Schuyler	7-23-76
000 456	Paul Walter Gossage	R.R. #2, Astoria, Illinois 61501	Fulton	7-23-78
000 457	James Warren Peed	425 Auburn Lane, Crete, Illinois 60417	Will	7-24-78
000 458	Ronald S. Johnson, Jr.	1916 Harding Drive, Urbana, Illinois 61801	Champaign	7-28-77
000 459	Stephen Hunter Parkhurst	139 Montclair Avenue, Peoria, Illinois 61614	Peoria	7-28-76
000 460	Joseph W. Weghorst	411 Fairlane, Pekin, Illinois 61554	Tazewell	8-1-78
000 461	Charles W. Hare	Box 596, Brownstown, Illinois 62418	Fayette	8-1-77
000 462	Charles M. Hare	2204 School Street, Hillsboro, Illinois 62049	Montgomery	8-1-78
000 463	Ron Hendry	R.R. #1, Brocton, Illinois 61917	Edgar	9-8-78
000 464	Ed A. Carr	Reel Street, Oakland, Illinois 61943	Coles	9-8-76
000 465	Ronald G. Dearth	R.R. #1, Mason, Illinois 60444	Grundy	9-11-78
000 466	Howard Green Abbott	Route #1, Box 128, Fulton, Illinois 61252	Whiteside	9-18-78
000 467	Lewis E. Yingst	Route #1, Edgewood, Illinois 62426	Clay	9-18-77
000 468	Richard David Scruggs	14523 S. Atlantic Avenue, Riverdale, Illinois 60627	Cook	10-6-78
000 469	Michael Patton Smith	R.R. #2, Box 97A, Pecatonica, Illinois 61063	Winnebago	10-6-78
000 470	Theodore W. Schlieper	R.R. #1, Pleasant Hill, Illinois 62366	Pike	10-9-76
000 471	Robert A. Reid	R.R. #2, Box 103E, Gillespie, Illinois 62033	Macoupin	10-9-78
000 472	Cleveland M. Chapman	5562 South Stewart, Chicago, Illinois 60621	Cook	10-9-76
000 473	Steve J. Bergstrom	R.R. #1, Aledo, Illinois 61231	Rock Island	10-17-78
000 474	Eddie Joe Shelton	Route #1, Box 163B, Bethalto, Illinois 62010	Madison	10-24-76
000 475	William S. Howard	600 Boylston Street, Loves Park, Illinois 61111	Winnebago	11-6-78
000 476	Frank E. Kazenske	R.R. #1, Box 305-A, Girard, Illinois 62640	Macoupin	11-7-78



## EXPLOSIVES LICENSES ISSUED — 1977 — (Continued)

License Number	Name of Applicant	Applicant's Address	County	Current Expiration Date
000 477	Kenneth R. DeWerff	809 Kinney Street, Nokomis, Illinois 62075	Montgomery	11-13-78
000 478	Robert J. Haedesty	Route #1, Oregon, Illinois 61061	Ogle	11-13-78
000 479	Franklin L. Geske	1315 Highland Lane, Quincy, Illinois 62301	Adams	12-15-76
000 480	Terry Lee Cooper	Box 302, Bluff Springs, Illinois 62622	Cass	12-15-78
000 481	Richard J. Zimmer	R.R. #2, Box 85, Maple Park, Illinois 60151	Kane	12-15-77
000 482	Richard B. Eccles	637 Joliet Street, LaSalle, Illinois 61301	LaSalle	12-15-77
000 483	Randall O. Dutton	Box 306, Cave-in-Rock, Illinois 62919	Hardin	12-15-78
000 484	Thomas Dean McKinney	Box 127, West Frankfort, Illinois 62896	Franklin	12-18-77
000 485	Raymond Earl Alborn	R.R. #1, Erie, Illinois 61250	Whiteside	12-18-77
000 486	Joseph Hale Ferguson	104 West 15th Street, West Frankfort, Illinois 62896	Franklin	12-18-76
000 487	John Dale Smith, Jr.	R.R. #2, Clinton, Illinois 61727	DeWitt	12-18-77
000 488	Edward J. Hyatt, Jr.	402 West Horn Street, West Frankfort, Illinois 62896	Franklin	12-18-78
000 489	Robert W. Diers	Route #1, San Jose, Illinois 62682	Mason	12-30-78
000 490	Joseph Wieneke	Route #1, Belknap, Illinois 62908	Massac	1-6-79
000 491	Wilson H. Pearce	P.O. Box 72, Magnolia, Illinois 61336	Putnam	1-13-77
000 492	Frank R. Pickard	408 West 2nd Street, Wenona, Illinois 61377	Marshall	1-13-77
000 493	Samuel Theodore Apponey	Box 207, National Stockyards, Illinois 62701	St. Charles	2-2-78
000 494	Joseph R. Normoyle	14201 78th Avenue West, Taylor Ridge, Illinois 61284	Rock Island	2-4-78
000 495	Francis E. Schier	715 South 1st Street, Oregon, Illinois 61061	Ogle	2-6-78
000 496	George E. Shimp	Spartland, Illinois 61565	Marshall	2-9-78
000 497	Robert Grant	7631 South Wabash, Chicago, Illinois 60619	Cook	2-23-78
000 498	Lester W. Glynn	58 Second Street, LaSalle, Illinois 61301	LaSalle	2-25-78
000 499	Leo Anthony Kane	R.R. #4, Dixon, Illinois 61021	Lee	2-27-78
000 500	Jerome T. McLean	8123 Parkside Avenue, Morton, Illinois 60056	Cook	1-1-78
000 501	Charles C. Mitchell	1915 2nd Street, Peru, Illinois 61354	LaSalle	1-27-77
000 502	John D. Kenny	R.R. #2, Mendota, Illinois 61342	LaSalle	1-27-78
000 503	James T. Schenk	Box 377, Pierron, Illinois 62293	Bond	1-27-76
000 504	Vanakantham S. Reddy	25 Highland Shore, Danville, Illinois 61832	Vermilion	1-27-76
000 505	Jerald L. McCaskey	R.R. #2, Springfield, Illinois 62707	Sangamon	2-27-77
000 506	John J. Considine	411 North Ellsworth Avenue, Villa Park, Illinois 60181	DuPage	2-27-78
000 507	Jerry A. Thompson	1750 Kaneville Road, Geneva, Illinois 60134	Kane	3-3-78
000 508	James Harold Kelly	R.R. #1, Box 166, Gillespie, Illinois 62033	Macoupin	3-16-78
000 509	Kenneth E. Loitz	Grant Park, Illinois 60940	Kankakee	3-16-78
000 510	Lemuel G. Tripp	Box 235, Mendon, Illinois 62351	Adams	3-16-78
000 511	Philip Sturtz	R.R. #1, Shannon, Illinois 61078	Carroll	3-18-78
000 511	Frank B. Conci	R.R. Box M, Golconda, Illinois 62938	Pope	3-26-78
000 512	James E. Pitts	360 Holly Drive, Bradley, Illinois 60915	Kankakee	3-26-78
000 513	Howard J. Brooks	Road #4, Route #792, Princeton, N.J.		4-1-78
000 514	Donald G. McClellan	R.R. #1, Cerro Gordo, Illinois 61818	Piatt	4-1-78
000 515	George T. Williams	702 West Jones, West Frankfort, Illinois 62896	Franklin	4-5-78
000 516	James C. Breckon	215 Court, Concordia, Kansas 66901		4-5-78
000 517	James L. Ward, Jr.	523 North Orchard Street, Pittsfield, Illinois 62363	Pike	4-12-78
000 518	William Donald Pfeiffer	R.R. #1, Gerlaw, Illinois 61435	Warren	4-12-78
000 519	Audie J. Wall	R.R. #1, West Frankfort, Illinois 62896	Franklin	4-14-78
000 520	Joseph R. Kauffman	3 East Parkside, Lombard, Illinois 60148	DuPage	4-26-78
000 521	Charles Eugene Tommasson	206 South Board Street, Lacon, Illinois 61540	Marshall	4-26-78
000 522	Herbert Mellein	Route #1, Okawville, Illinois 62271	Washington	4-26-78
000 523	Joseph H. Fleischli	1111 North Lincoln Avenue, Springfield, Illinois 62702	Sangamon	5-11-78
000 524	Charles Edward Hurt	2313 North Central St., Peoria, Illinois 61603	Peoria	5-11-78
000 525	Robert L. Farr	328 North Main Street, Dupu, Illinois 62239	St. Clair	5-24-78
000 526	Martin Avenatti	R.R. #2, Chrisman, Illinois 61924	Edgar	5-25-78
000 527	Jose R. Diaz	22 South Franklin Street, Lambertville, N.J. 08530		6-3-78
000 528	C. Phillip Schuessler	1009 Cherokee Drive, Darien, Illinois 60559	DuPage	6-7-78
000 529	Harold Gene Markos	1720 North Jackson Street, Litchfield, Illinois 62056	Montgomery	6-17-78
000 530	Robert L. Brownfield	2605 Interlaken, Springfield, Illinois 62764	Sangamon	6-17-78
000 531	James Mikel Shaw	1160 Marion, Warsaw, Illinois 62379	Hancock	6-17-78
000 532	Paul C. Saugat	2700 Monsanto Avenue, Saugat, Illinois 62206	St. Clair	6-17-78
000 533	Louis Hall	1630 East 70th Street, Chicago, Illinois 60649	Cook	6-17-77
000 534	Kenneth Wayne Gilbert	719 Killarney Crt., Apt. 2C, Schaumburg, Illinois 60172	Cook	6-17-78
000 535	Floyd H. Ridgeway	1725 W. Wilson Avenue, Chicago, Illinois 60640	Cook	6-17-77
000 536	John Rusnak	1644 University Avenue, South Holland, Illinois 60473	Cook	6-17-78
000 537	Bryant Carl Rusnak	1538 Heather Hill Cr., Flossmoor, Illinois 60422	Cook	6-17-78
000 538	Charles W. Olmstead	1725 W. Wilson Avenue, Chicago, Illinois 60640	Cook	6-17-77
000 539	Leonard E. Estus	1725 W. Wilson Avenue, Chicago, Illinois 60640	Cook	6-17-77
000 540	Peter Panozzo	2332 West Ohio, Chicago, Illinois 60612	Cook	6-17-77
000 541	Ulysses Leon Formhals	475 Yates, Galesburg, Illinois 61401	Knox	6-17-78
000 542	Jack Harold Alexander	101 Keoning Street, Wentzville, Missouri 63385	Pike	6-17-78
000 543	Donald George Pond	401 Hale Crest, Mt. Vernon, Illinois 62864	Jefferson	6-17-78
000 544	Daniel D. Holloway	R.R. #2, Bluford, Illinois 62814	Jefferson	6-17-78
000 545	Robert L. McKinn	R.R. #4, Monmouth, Illinois 61462	Warren	7-9-78
000 546	John Monette King, Jr.	1941 Champlain Street, Ottawa, Illinois 61350	LaSalle	7-9-77
000 547	Frank Edward Wisneski, Jr.	R.R. #2, Metamora, Illinois 61548	LaSalle	7-9-78
000 548	Eugene T. Rios	201 North Mina Street, Grant Park, Illinois 60940	Kankakee	8-2-78
000 549	Brean Deane Ketchum	Box 477, LaPrairie, Illinois 62346	Adams	8-4-78
000 550	Gilbert George Barnes	R.R. #3, Carlyle, Illinois 62231	Clinton	8-4-78
000 551	William Wayne Martin	R.R. #1, Box 56, DeSoto, Illinois 62924	Williamson	8-4-78
000 552	Kent D. Brunnenn	188 Williams Street, Barry, Illinois 62312	Pike	8-4-78
000 553	J. James Guetterman	6401 Concordia Road, Belleville, Illinois 62221	St. Clair	8-4-78
000 554	Dave Joseph Wawzyniak	6N80 Medinah Road, Medinah, Illinois 60157	Cook	8-4-78
000 555	Lyle Edward Edwards	Route #2, Box 22AA, Bryson City, N.C. 28713		8-4-77





## EXPLOSIVES LICENSES ISSUED – 1977 – (Continued)

License Number	Name of Applicant	Applicant's Address	County	Current Expiration Date
000 556	Frank Flores.	2540 N. Mannheim Road, Franklin Park, Illinois 60131	Cook	8-4-78
000 557	William V. Largent	Box 808, Tremont, Illinois 61568	Tazewell	8-4-77
000 558	Alex Andrew Simoncelli.	2275 Jenkee Drive, Florissant, Missouri 63031		8-6-78
000 559	Harold L. Carlson.	640 Overton, Marseilles, Illinois 61341	LaSalle	8-6-78
000 560	Carlyle L. Johnson	R.R. #1, Box 370, Marseilles, Illinois 61341	LaSalle	8-6-78
000 561	William Earl Palmer	P.O. Box 774, Astoria, Illinois 61501	Fulton	8-6-78
000 562	Clyde Warren Jacobs	Route #1, New Canton, Illinois 62356	Pike	8-6-78
000 563	Charles D. Hatfield.	232 North Colorado Street, Hobart, Indiana 46342		8-10-78
000 564	Arthur Eugene Hicks	1811 A South 24th Street, Quincy, Illinois 62301	Adams	8-10-77
000 565	John E. Kenny, Jr.	535 Somerset Lane, Northfield, Illinois 60093	Cook	8-10-78
000 566	James Robert Ryerson.	32-1 Montego Colony, Fox Lake, Illinois 60020	Lake	8-10-77
000 567	Kenneth F. Wyman	9201 Delphia, Des Plaines, Illinois 60016	Cook	8-23-78
000 568	Michael M. Mitchell.	R.R. #2, Monticello, Illinois 61856	Piatt	8-23-78
000 569	Gary Williams Ross	3754 Salem Walk South, Northbrook, Illinois 60062	Cook	8-23-78
000 570	Murray Alan Newberry	2302 Bristow, Charlack, Missouri 62114		8-23-78
000 571	Gary W. Lingle	905 South McClelland, West Frankfort, Illinois 62896	Franklin	8-23-78
000 572	Kenneth R. Smith	Route #1, Box 51, Hartsburg, Illinois 62643	Logan	8-24-78
000 573	Bernard Edward Bree.	San Jose, Illinois 62682	Mason	8-24-78
000 574	William R. Morris	228 Willow, Box 265, Elburn, Illinois 60119	Kane	9-3-78
000 575	William R. Guetersolh	Jacob, Illinois 62950	Jo	9-3-78
000 576	David L. Wentzel	R.R. #1, Galea, Illinois 61036	Jo Daviess	9-3-78
000 577	Wesley H. Hilst	R.R. #1, Mantino, Illinois 61546	Mason	9-17-78
000 578	Thomas E. Newlin	R.R. #2, Elizabethtown, Illinois 62931	Hardin	9-17-78
000 579	Thomas E. Gillis	1011 North Harvard, 60004, Arlington Heights, Illinois	Cook	9-17-78
000 580	John Patrick Callahan	10324 LaVergne, Oak Lawn, Illinois 60453	Cook	9-17-78
000 581	Etheridge E. McCracking	689 West Oakton, Des Plaines, Illinois 60018	DuPage	9-17-77
000 582	Emmett Thomas Harrison	Route #2, Dillingard Road, Carbondale, Illinois 62901	Jackson	9-17-78
000 583	William Walter W. Weiser	612 West Market, Taylorville, Illinois 62568	Christian	9-17-78
000 584	Henry Alexander Buesinger	R.R. #3, Box 82, Morrisville, Illinois 62546	Christian	9-17-78
000 585	Mary Ann McCoy	R.R. #3, Taylorville, Illinois 62568	Christian	9-17-78
000 586	James Marion McCoy	R.R. #3, Taylorville, Illinois 62568	Christian	9-17-78
000 587	Ralph Parks.	1907 South Christiana Avenue, Chicago, Illinois 60623	Cook	9-23-78
000 588	Prentiss H. Walker, Sr.	1907 South Christiana Avenue, Chicago, Illinois 60623	Cook	9-23-78
000 589	Charles Robert Thomas	741 35th Street, Cairo, Illinois 62914	Alexander	1-27-78
000 590	Billy G. Genaust	Route #1, Effingham, Illinois 62401	Effingham	9-23-78
000 591	Rickey Lee Mann.	Box 85, Bonnie, Illinois 62816	Jefferson	9-24-77
000 592	William M. Cole	200 Lab., or Drive, Jacksonville, Illinois 62650	Morgan	10-14-78
000 593	Todd Martin Swaicki	115 Rock Island Street, Spring Valley, Illinois 61362	Bureau	11-1-78
000 594	William John Weeber	814 6th Street, Box 65, Erie, Illinois 61250	Whiteside	11-1-78
000 595	Edwin John Glover	2320 North Sprigg Street, Cape Girardeau, Missouri 63701		11-1-78
000 596	Robert Lee Patraszewski	16248 South Oak Street, Oak Forest, Illinois 60452	Cook	11-1-77
000 597	Lawrence L. E. Smith	11601 18th Street, Milan, Illinois 61264	Rock Island	11-3-77
000 598	Michael Carol Taylor	R.R. #1, Box 193A, Elizabethtown, Illinois 62931	Hardin	11-4-78
000 599	Edgar John Korsmeyer	264 Finley, Jacksonville, Illinois 62650	Morgan	11-9-77
000 600	Paul Edward Hendrickson	Route #1, Chaffee, Missouri 62740		11-18-78
000 601	Julian Leon Koski, Jr.	807 First Street, Gillespie, Illinois 62033	Macoupin	11-18-77
000 602	Carl H. Witt.	1033 West Lincoln Blvd., Freeport, Illinois 61032	Stephenson	11-18-77
000 603	Bruce Wayne Bean	500 Heritage Acres, DeSoto, Illinois 62924	Jackson	11-19-78
000 604	Alex Chesney	1008 South McKinley, Litchfield, Illinois 62056	Montgomery	12-3-79
000 605	Roger B. Hoover	1121 Highland Avenue, Pekin, Illinois 61554	Tazewell	12-3-77
000 606	Fred R. Reader.	R.R. #3, Peoria, Illinois 61600	Peoria	12-23-78
000 607	Glenn Clifton Hardin	12340 Avenue F, Lot 90, Chicago, Illinois 60633	Cook	1-27-79
000 608	George Stanley Keleminic	3011 South Kornesky, Chicago, Illinois 60623	Cook	1-27-78
000 609	Daniel Edward Stewart	9110 South Avers, Evergreen Park, Illinois 60642	Cook	1-27-78
000 610	Sidney Ray Florey	310 Whittier Street, Joliet, Illinois 60431	Will	2-4-78
000 611	Kenneth Robert Dumas	416 South Adeline Avenue, Addition, Illinois 60101	DuPage	2-7-78
000 612	Kevin John Cole	7208 West Lemoyne Avenue, River Forest, Illinois 60305	Cook	2-10-78
000 613	James E. Duhamel	234 Harper Lane, Hoffman Estates, Illinois 60195	Cook	2-10-78
000 614	Chester Wallace Fisher	4535 Blackhawk Lane, #202, Lisle, Illinois 60532	DuPage	2-10-78
000 615	Edwin W. Huggler	46-45 North Magnolia Avenue, Chicago, Illinois 60640.	Cook	2-10-78
000 616	Gary Dean Lowe	221 Valley Lane, Hoffman Estates, Illinois 60194	Cook	2-10-78
000 617	L. John Salmon	6807 Cregier Avenue, Chicago, Illinois 60649	Cook	2-10-78
000 618	Luke E. Carter	R.R. #5, Springfield, Illinois 62707	Sangamon	2-15-78
000 619	Orville Campbell	4656 North Magnolia, Chicago, Illinois 60640	Cook	2-15-78
000 620	Robert C. Crumly II	R.R. #1, Petersburg, Illinois 62675	Manard	2-15-78
000 621	Elmer James Heathorn.	Route #2, Earlville, Illinois 60518	LaSalle	2-15-78
000 622	Charles D. Meisenheimer	1217 North 5th Street, Vandalia, Illinois 62471	Fayette	3-2-78
000 623	Robert Burton Sheldon	1130 Bel Aire Drive, Mt. Vernon, Illinois 62864	Jefferson	3-2-78
000 624	Robert Harold Fox	Box 343, Coutherville, Illinois 62237	Randolph	3-2-78
000 625	Franklin Paul Zurlene.	R.R. #1, Germantown, Illinois 62245	Clinton	3-2-78
000 626	Dennis Irvin	80 Dallas Drive, Harrisburg, Illinois 62946	Saline	3-3-78
000 627	Warren R. Kennedy	Route #4, Greenville, Illinois 62246	Bond	3-9-78
000 628	John A. Shorter	10010 Devon, Rosemont, Illinois 60018	Cook	3-9-78
000 629	Herman J. Evans	6242 Stone Wall Street, Downers Grove, Illinois 60515	DuPage	3-9-78
000 630	Riley Donald Haftiger	421 East Esther Street, Taylorville, Illinois 62568	Christian	3-11-78
000 631	Kenneth E. Ranson	R.R. #1, Murrayville, Illinois 62668	Morgan	3-11-78
000 632	John William Mackey	900 Scheel Street, Lot r, Belleville, Illinois 62221	St. Clair	3-15-78
000 633	Cameron Walker, Jr.	415 Williamsburg Drive, Belleville, Illinois 62221	St. Clair	3-15-78
000 634	Michael E. Hood	307 East 1st North Street, Mt. Olive, Illinois 60269	Macoupin	3-15-78
000 635	Julius Henry Dotzert	R.R. #2, Box 84, Virginia, Illinois 62691	Cass	3-17-78



## EXPLOSIVES LICENSES ISSUED - 1977 - (Continued)

License Number	Name of Applicant	Applicant's Address	County	Current Expiration Date
000 636	Thomas J. Eastburn	R.R. #2, Sheldon, Illinois 60966	Iroquois	4-1-78
000 637	Alexander Gloeckler	1340 South Elmhurst Road, Mt. Prospect, Illinois 60056	Cook	4-1-78
000 638	John Ronald Hadden	R.R. #1, Versailles, Illinois 62378	Brown	4-1-78
000 639	Ronald Wesley Maag	Box 731, Golden Eagle, Illinois 62036	Calhoun	4-1-78
000 640	Leonard Ariyn Petrie	1106 Beech Drive, Dixon, Illinois 61021	Lee	4-1-78
000 641	William Lewis Bahn	2037 Stevne Drive, Cape Girardeau, Missouri 63701	Union	4-11-78
000 642	Lawrence W. Lambert	2621 North 1st Street, DeKalb, Illinois 60115	DeKalb	4-5-78
000 643	Ed Irvin Leder	R.R. #1, Highland, Illinois 62249	Madison	4-5-78
000 644	Robert William Scherf	R.R. #4, Metamora, Illinois 61548	Woodford	4-5-78
000 645	Joseph A. Clift	R.R. Box 10A, Henry, Illinois 61537	Marshall	4-11-78
000 646	James Curtis Alexander	Box 161, Dawson, Illinois 62520	Sangamon	4-11-78
000 647	Ernie M. Barber	R.R. #3, Ottawa, Illinois 61350	LaSalle	4-11-78
000 648	Charles W. Casford, Jr.	Box 296, DePue, Illinois 61322	Bureau	4-11-78
000 649	Jack W. Clark	514 7th Street, Lincoln, Illinois 62656	Logan	4-11-78
000 650	Lawrence Munson Cox	R.R. #3, Box 33, Arcola, Illinois 61910	Douglas	4-11-78
000 651	Thomas A. Douglas	108 East Third St., Box 257, East Galesburg, Illinois 61430	Knox	4-11-78
000 652	James J. Jansen	Route #1, Marissa, Illinois 62257	St. Clair	4-11-78
000 653	Jefford J. Jeppson	518 West Main, Granville, Illinois 61326	Putnam	4-1-78
000 654	Michael Lee Luge	1330 North 17th Street, Belleville, Illinois 62221	St. Clair	4-11-78
000 655	Richard Alan Gmelich	#1 Hilltop Drive, Streator, Illinois 61364	LaSalle	4-11-78
000 656	Harold Dean Hamilton	307 East Ensey, Tuscola, Illinois 61953	Douglas	4-11-78
000 657	James Earl Humphrey, Jr.	1511 Green Lawn, Peoria, Illinois 61602	Peoria	4-11-78
000 658	Wilbur Edison Justice	Box 121, Easton, Illinois 62633	Mason	4-11-78
000 659	Calvin Joseph Konya	23 Fairway, Fairmont, West Virginia		4-11-78
000 660	Peter Ernest Nudo	405 West Mason, Springfield, Illinois 62702	Sangamon	4-11-78
000 661	William Lee Pate	R.R. #2, Astoria, Illinois 61501	Fulton	4-11-78
000 662	Floyd Eugene Robbins	1422 Lind, Quincy, Illinois 62301	Adams	4-11-78
000 663	Ronald Lee Stuber	629 South 11th Street, Pekin, Illinois 61554	Tazewell	4-11-78
000 664	William C. VadeBonCoeur	2260 East Court Street, Kankakee, Illinois 60901	Kankakee	4-11-78
000 665	Thomas Eugene Warner	Box 256, Atwood, Illinois 61913	Douglas	4-11-78
000 666	Glenn B. Williams	Box 78, Bluffs, Illinois 62621	Scott	4-11-78
000 667	Edgar L. Butts	22 Brierclyff, Granite City, Illinois 62040	Madison	4-20-78
000 668	Loy Neil Casper	Box 81A, Jonesboro, Illinois 62952	Union	4-20-78
000 669	Philip A. Castellano	909 South Russell St., Marion, Illinois 62959	Williamson	4-20-78
000 670	Richard Dixon	901 West Jackson, Auburn, Illinois 62615	Sangamon	4-20-78
000 671	Terry Allen Graham	R.R. #3, Box 134, Liberty, Illinois 62347	Adams	4-20-78
000 672	Gregory Lee McCaslin	Beecher City, Illinois 62414	Fayette	4-20-78
000 673	David Eric Menssen	R.R. #1, Box 207, Secor, Illinois 61771	Woodford	4-20-78
000 674	James Robert Miller	R.R. #1, Thebes, Illinois 62990	Alexander	4-20-78
000 675	William Eugene Murphy	Box 214, Great Springs, Illinois 62922	Williamson	4-20-78
000 676	Douglas J. O'Connor	150 South 4th, Chebanse, Illinois 60922	Kankakee	4-20-78
000 677	Victor M. Romani	Broadway & Nettie, Sesser, Illinois 62884	Franklin	4-20-78
000 678	Francis William Schauble	R.R. #1, Yates City, Illinois 61572	Knox	4-20-78
000 679	Donald Everett Wenzel	R.R. #1, Galena, Illinois 61036	Jo Daviess	4-20-78
000 680	Paul Davis	1815 North State Street, Eldorado, Illinois 62930	Saline	4-21-78
000 681	Billy Glen Tatum	R.R., Box 60, Thebes, Illinois 62990	Alexander	4-21-78
000 682	Daniel Ralph Wenzel	R.R. #1, Galena, Illinois 61036	Jo Daviess	4-21-78
000 683	Terry Keith Besley	639 Trace Drive, Apt. 207, Buffalo Grove, Illinois 60090	Cook	4-25-78
000 684	David M. Burba	141 142nd Street, Hammond, Indiana 46327		4-25-78
000 685	Eddie Dean Burba	4342 Columbia, Hammond, Indiana 46327		4-25-78
000 686	Allen Dee Carter	4732 Arbor Drive, Apt. 201, Rollina Meadows, Illinois 60008	Cook	4-25-78
000 687	Ronald Eugene Coffey	R.R. #7, Mt. Vernon, Illinois 62864	Jefferson	4-25-78
000 688	John W. Commons	119 Bradshaw, Dixon, Illinois 61021	Lee	4-25-78
000 689	Randy G. Drury	2221 Stoney Brook, Pekin, Illinois 61554	Tazewell	4-25-78
000 690	L. J. Jaudon	115 Cedarbend Drive, Romeoville, Illinois 60441	Will	4-25-78
000 691	Carey Allen Johnson	8832 Kennith, Apt. 1-H, Des Plaines, Illinois 60016	Cook	4-25-78
000 692	James Casey Kenny	340 Maple Row, Northbrook, Illinois 60062	Cook	4-25-78
000 693	John Edward Ralson	2215 Cherry Street, Mt. Vernon, Illinois 62864	Jefferson	4-25-78
000 694	Leo Homer Richardson	823 A. McHenry Road, Wheeling, Illinois 60090	Cook	4-25-78
000 695	Dale V. Walter	Route #1, Grand Ridge, Illinois 61325	LaSalle	4-25-78
000 696	James R. Storey	Box 23, Whittington, Illinois 62897	Franklin	4-28-78
000 697	Donald C. Simpson	R.R. #1, Benton, Illinois 62812	Franklin	4-28-78
000 698	Lee Alan Franklin	6972 North Sheridan Road, Apt. 212, Chicago, Illinois 60626	Cook	5-2-78
000 699	Gary Wayne Lowe	1216 North Kickapoo, Lincoln, Illinois 62656	Cook	5-2-78
000 700	Glenn R. Post	R.R. #3, Lewistown, Illinois 61544	Fulton	5-2-78
000 701	Donald J. Whalen	1408 North Western Avenue, Bloomington, Illinois 61701	McLean	5-2-78
000 702	Jeffrey Newell Williams	Box 24, Cobden, Illinois 62926	Union	5-2-78
000 703	Donald J. Newell	617 West Editor, Ashland, Illinois 62612	Cass	5-11-78
000 704	Charles W. Murphy	Box 102, Great Springs, Illinois 62922	Will	5-11-78
000 705	James P. Dodds	Route #1, Box 144, Virginia, Illinois 62691	Cass	5-11-78
000 706	Terry Alan Owens	R.R. #2, Pl. Plaines, Illinois 62677	Sangamon	5-11-78
000 707	Richard Hampton	3526 Wells, Chicago, Illinois 60649	Cook	5-11-78
000 708	Thomas Mark Pilarski	3512 North Kildare Avenue, Chicago, Illinois 60641	Cook	5-11-78
000 709	Bengamin Parker Brenning	R.R. #1, Box 251, Decatur, Illinois 62526	Macon	5-11-78
000 710	Carlin Rupert Anderson	136 West Beardstown Street, Virginia, Illinois 62691	Cass	5-18-78
000 711	Frank Daniel Brazinski	R.R. #3, Coulterville, Illinois 62237	Washington	5-18-78
000 712	Ivan Herbert Dremann	R.R. #2, Ohio, Illinois 61349	Lee	5-18-78
000 713	William Thomas Mabie	160 Forrest Avenue #30, Springfield, Illinois 62702	Sangamon	5-18-78
000 714	John David Shanks	1125 South 13th, Springfield, Illinois 62703	Sangamon	5-18-78
000 715	James Eugene Wheeler	Box 478, R.R. #2, Marseilles, Illinois 61341	LaSalle	5-18-78

[illegible]

## EXPLOSIVES LICENSES ISSUED - 1977 - (Concluded)

License Number	Name of Applicant	Applicant's Address	County	Current Expiration Date
000 716	Christopher Charles Hall	2207 Jonquil, Rockford, Illinois 61207	Winnebago	5-20-78
000 717	Harold Kenneth Coleman	Box 240, Groveland, Illinois 61535	Tazewell	6-2-78
000 718	John Thomas Hinrichs	2410-18th Avenue A, Moline, Illinois 61265	Rock Island	6-2-78
000 719	Obert Eugene Hout	Box 413, Green Rock, Illinois 61241	Henry	6-2-78
000 720	Paul W. Patton	Box 153, Elizabethtown, Illinois 62931	Hardy	6-2-78
000 721	Billy Lee Coon	R.R. #1, Box 118, Rantoul, Illinois 61866	Champaign	6-7-78
000 722	David Bennett Olson	R.R. #1, Rock River Terr., Byron, Illinois 61010	Ogle	6-13-78
000 723	Kenneth Lee Baugh	Box 152, Westfield, Illinois 62474	Clark	6-21-78
000 724	Lawrence Victor Strauss	8120 Eastwood Lane, Woodridge, Illinois 60515	DuPage	6-27-78
000 725	Verlyn Kenneth Rinker	RFD #1, Grand Ridge, Illinois 61325	LaSalle	6-27-78
000 726	Jon W. Ball	4N547 Griffin Lane, St. Charles, Illinois 60174	Kane	7-1-78
000 727	Shelly Rodney Powell	Morris, Illinois 60450	Grundy	7-5-78
000 727	Otho Jewel Oldham	902 East Moneta, Peoria Heights, Illinois 61614	Peoria	7-5-78
000 728	Philip Gaylord Adcock	RFD #1, Gillespie, Illinois 62033	Macoupin	7-25-78
000 729	Donald Lee Batterton	415 West Madison, Chrisman, Illinois 61924	Edgar	7-25-78
000 730	Clarence H. Lair	R.R. #2, Box 109, Franklin, Illinois 62638	Morgan	7-25-78
000 731	Merrit Ernest Koontz	828 #D McHenry Road, Wheeling, Illinois 60090	Cook	8-12-78
000 732	David Joseph Stibich	Box 152, Westfield, Illinois 62474	Clark	8-16-78
000 733	Richard Daniel Neal	1918 Casey Avenue, Mt. Vernon, Illinois 62864	Jefferson	8-16-78
000 734	Rand E. McNally	2905 North Rockwood Drive, Peoria, Illinois 61604	Peoria	8-16-78
000 735	Harold Helmers	7219 Eastern Avenue, Davenport, Iowa 52800		8-16-78
000 736	Virgil Junior McDowell	R.R. #2, Baylis, Illinois 62314	Brown	8-18-78
000 737	Lawrence R. Tanner	R.R. #1, Morton, Illinois 61550	Tazewell	8-24-78
000 738	Elmer Peter Meister	Route #1, Eureka, Illinois 61530	Woodford	8-24-78
000 739	Ben W. Walker	608 South 26th, Herrin, Illinois 62948	Williamson	8-24-78
000 740	James Francis Meyer	R.R. #4, Box 407-A, Kankakee, Illinois 60901	Kankakee	9-21-78
000 741	Earl Quention Dotson	R.R. #1, Box 120B, Baldwin, Illinois 62217	Randolph	9-27-78
000 742	John P. Hammond	406 Silverleaf Street, Rushville, Illinois 62681	Schuyler	10-7-78
000 743	Donald G. Sanders	R.R. #1, Pomona, Illinois 62975	Jackson	10-7-78
000 744	Stan J. Mill	1101 North University, Peoria, Illinois 61606	Peoria	11-1-78
000 745	Thomas John Pavlat	1215 Rural Street, Rockford, Illinois 61107	Winnebago	11-1-78
000 746	Gerald R. Benson	109 South Van Buren St., Cherry Valley, Illinois 61016	Winnebago	11-15-78
000 747	Kenneth A. Ditzler	215 West Howard St., Durand, Illinois 61024	Winnebago	11-15-78
000 748	Robert Otis Smith	935 West Loire Ct., Peoria, Illinois 61614	Peoria	11-15-78
000 749	Thomas E. Davison	121 North Hickory St., DuQuoin, Illinois 62832	Perry	11-30-78
000 750	Bradley D. Giles	402 North 20th Street, Murphysboro, Illinois 62966	Jackson	11-30-78
000 751	Matt Mercer	8220 Mulberry Crt., Palos Hills, Illinois 60465	Cook	11-30-78











**LAND RECLAMATION DIVISION**  
**DEPARTMENT OF MINES AND MINERALS**

**704 Stratton Building  
400 South Spring Street  
Springfield, Illinois 62706  
Phone: 217/782-4970**

E. E. Filer, Supervisor  
Rural Route 1  
Pawnee, Illinois 62558

**Reclamation Technicians**

Ernest Ashby  
405 Harrison Street  
Pawnee, Illinois 62558

J. Donovan Larson  
1640 North 20th Street  
Springfield, Illinois 62702

Donald L. Damrau  
510 East Farnham  
Princeton, Illinois 61356

Charles Medvick  
1206 South Duncan  
Marion, Illinois 62959

Douglas M. Downing  
Rural Route 4 – Box 232  
Marion, Illinois 62959

Dean Spindler  
Mine Rescue Station  
609 Princeton  
Springfield, Illinois 62703

Willis D. Gale, Jr.  
P. O. Box 237  
Cuba, Illinois 61427

Marvin Utsinger  
Rural Route 1  
Kingston, Illinois 60145

Andrew R. Gilmore  
Rural Route 2 – Box 85  
Carlyle, Illinois 62231

**Secretary**

Elizabeth P. Hayes  
1107 Krell Drive  
Springfield, Illinois 62707

## MEMBERS OF ADVISORY COUNCIL ON RECLAMATION

DR. WILLARD KLIMSTRA (Chairman)  
Southern Illinois University  
Cooperative Wildlife Research Laboratory  
Carbondale, Illinois 62901

MRS. SUSAN CASEY  
602 Taylor Drive  
Carbondale, Illinois 62901

WILLIAM CAUDILL  
Route 4 – Box 136  
Decatur, Illinois 62522

CHARLES LAPPEN  
424 Green Bay Road  
Highland Park, Illinois 60035

GEORGE MICHALIC  
303 West Fifth Street  
West Frankfort, Illinois 62896

JAMES R. MINGS  
Route 1  
Raleigh, Illinois 62977

## ABSTRACT

The Illinois Land Reclamation Division staff increased from 3 to 10 technical people since 1971. No changes in staff number occurred during 1977; however, one person resigned and was replaced.

A very minor change in the Illinois Surface-Mined Land Conservation and Reclamation Act occurred during 1977.

The federal Surface Mining Control and Reclamation Act, affecting coal only, was signed into law during 1977.

At the year's end, state Land Reclamation Division people were busy at work learning about and developing the means to implement the federal law in Illinois.

Due to unavoidable "lag-time" and "phase-in" periods, the reclamation work people will be seeing "through the car windshield" for the next couple years still will be governed by the Illinois Surface-Mined Land Conservation and Reclamation Act.

Acreage permitted was atypical, during 1977, because of multi-year permits issued during 1976.

The greatest number of permit locations under inspection involves limestone, with 313 permits at 96 mines and coal is second with 298 permits at 71 mines.

State-wide, for all minerals, there is an average of between three and four permits per mine location.

Under the OCM and MLR acts (1962 through 1971 period) reclamation acres have exceeded permitted acres and this "surplus" reclamation acres trend continued to enlarge during 1977.

Mining companies have thus far reclaimed a total of 10,789 acres under the SMLC&R Act, since 1973 (first year of completion of mining under the new law), of which there were 3,316 acres completed during 1977.

During 1977, the coal industry fell behind by reclaiming less acres than were affected by surface mining, which fact helps explain why it was necessary to send out 32 non-compliance citations to mining companies during 1977.

Over 54% of 1977 permitted acres will be graded to approximate original contour. Almost half (48.7%) will also have dark surface soil preserved and replaced.

Where previously grading mined lands to maximum 15% slope category for hay and pasture predominated, starting in 1976 and continuing in 1977, original grade agricultural land now is the dominant land reclamation category.

During 1977, three new companies were added to the list of those experiencing land reclamation surety bond forfeiture. The total now stands at 26 companies.

There was no forfeiture fund land reclamation work performed during 1977 because no forfeiture funds were appropriated for such work.

The trend of coal surface mining annual acreage was previously declining and the trend reversed during 1976. Labor work stoppages during 1977 may have caused the trend to reverse again, back to a decline.

Noticeable increase of new surface mining permits, generally involving new, small coal mines, occurred during 1977.

As of June 30, 1977, there has been a total of 197,229 acres affected by coal surface mining in Illinois. Of this total, 94,048 acres were affected under laws requiring land reclamation.

Three counties now have coal surface mining accumulated to 5% or more of total county acreage. These are Fulton, Perry, and Williamson with 8.36%, 10.06%, and 5.38% respectively.

Some surface coal mining was reported in 17 counties during 1977, contrasted with 15 counties during 1976.

Although, in a typical year, about 52% of acreage to be surface mined in Illinois is cropland, acreage permitted during 1977 dropped to 44% cropland.

Assessed valuation on lands being permitted for surface mining showed noticeable increase during 1977.

Proportion of coal surface-mining permit acreage on corporate land ownership seems to have been gradually increasing over the past six years. Highest proportion of corporate land ownership was 87% of permitted acreage and this occurred during 1977.

At the end of 1977, the Illinois Land Reclamation Division was holding \$82,325,447 in surety bonds for surface mining permits issued to Illinois mining companies.

Average surety bond for coal surface mining permits during 1977 was \$3,567 per acre.

Average depth of overburden for coal surface mining seems to be definitely increasing. For 1977 permit areas, almost 90% was in the 76 to 100 foot depth category.

Of coal surface mining acreage permitted during 1977, 55% will be reclaimed as per row cropland criteria, contrasted with 51% in 1976.

## ADMINISTRATION OF ILLINOIS SURFACE MINING LAWS

Prior to 1972, there were only three technical people involved with administration of Illinois land reclamation laws and those three people included a supervisor. Requirements of the newer laws and law amendments could not be administered without corresponding increases in the Land Reclamation Division (LRD) personnel staff. Gradual increases have occurred, almost annually, over the past six years.

The state was divided into five geographic districts in 1972. One field reclamationist was assigned to each district. By 1976, the number of districts had increased to seven. The soils analysis laboratory at the Springfield mine rescue station was established in 1976. A soils scientist is in charge of the soils analysis laboratory. It was also in 1976 that the special truck with power auger was acquired. During 1977, the power auger was used largely for sampling soil texture prior to replacement of darkened surface soil on lands being reclaimed to row crop agricultural standards.

Field analysis of root medium texture, on graded row croplands, prior to replacement of darkened surface soil, is being done with a backhoe on a per hour work contract rental basis. So far, indications are that this procedure will work and definitely seems to be more economical than buying and operating a state backhoe.

Two noteworthy law changes occurred during 1977. The Illinois Surface-Mined Conservation and Reclamation (SMC&R) Act was amended in a very minor way. The second change involved passage of the federal Surface Mining Control and Reclamation Act (applies to coal mines only).

The Illinois law amendment provided for slopes of final cut spoil and the side slopes of haulage road inclines to remain at a slope equal to the angle of repose. Purpose of the amendment was to reduce acreage of steeper slope (slope exception areas) portions of affected and reclaimed land, and to increase acreage of more level row cropland or hay and pasture topography.

The federal Surface Mining Control and Reclamation Act became effective with President Carter's signing on August 3, 1977. Rules and regulations for interim standards became available December, 1977. Effect of the federal law, because of phase-in provisions, did not call for any noticeable changes or practices in mining or reclamation in Illinois, during 1977.

At the end of the year, LRD personnel were busily engaged in studying and learning the meaning and ramifications of the federal law, as it will apply to Illinois conditions. There is so much volume

**TABLE I**  
**SUMMARY OF SURFACE MINE PERMITS AND ACREAGES AFFECTED UNDER THOSE PERMITS**  
 January 1, 1962 thru December 31, 1977

Permits Issued	Permit Locations Under Inspection	Permit Fees Collected	Permit Acres	Affected Acres	Reflected Acres
<b>COAL</b>					
62 thru 72 permits SMLRA *1	15	385,828.53	66,624.99	66,260.22	554.11
72 thru 76 permits SMLCRA *2	124	638,625.00	25,211.62	21,770.28	
76 permits SMLCRA amended*3	3	975.00	32.10	10.10	
76 permits SMLCRA amended	5	3,415.00	145.00	145.00	
76 permits SMLCRA amended	12	41,155.00	1,825.00	681.30	69.00
76 permits SMLCRA amended	35	449,600.00	17,916.00	3,467.29	182.50
80 permits SMLCRA amended	16	79,900.00	3,155.00		
Refuse 7-1-68 thru 12-31-76 (SMLCRA)	82	67,708.50			
Refuse 1-1-77 thru 12-31-77	6	12,525.00			
<b>TOTAL</b>	71 mines with 298 permit locations	1,679,437.03	114,676.21	92,296.59	805.61
<b>LIMESTONE</b>					
62 thru 72 permits SMLRA	27	48,145.35	2,977.21	2,585.94	
72 thru 76 permits SMLCRA	203	68,875.00	2,252.28	2,063.42	
76 permits SMLCRA amended	4	2,525.00	88.00	88.00	
77 permits SMLCRA amended	3	1,450.00	49.50	28.00	
78 permits SMLCRA amended	10	4,450.00	156.80	80.20	
79 permits SMLCRA amended	46	20,350.00	732.00	355.11	23.30
80 permits SMLCRA amended	13	7,350.00	266.60		
Refuse 7-1-68 thru 12-31-76	7	675.00			
<b>TOTAL</b>	96 mines with 313 permit locations	153,820.35	6,523.59	5,201.67	23.30
<b>CLAY &amp; SHALE</b>					
62 thru 72 permits SMLRA	2	5,854.03	245.75	197.04	
72 thru 76 permits SMLCRA	22	4,025.00	106.68	80.58	
76 permits SMLCRA amended	1	175.00	5.00	4.00	
79 permits SMLCRA amended	6	1,300.00	40.00	9.70	
80 permits SMLCRA amended	1	275.00	8.25		
Refuse 7-1-68 thru 12-31-76	2	800.00			
Refuse 1-1-77 thru 12-31-77	2	2,175.00			
<b>TOTAL</b>	10 mines with 36 permit locations	14,604.03	405.68	291.32	



<b>SILICA SAND</b>					
62 thru 72 permits SMLRA	2	3,324.98	177.65	120.17	
72 thru 76 permits SMLCRA	18	5,075.00	156.96	143.70	
76 permits SMLCRA amended	1	550.00	25.00	8.70	
79 permits SMLCRA amended	5	3,425.00	125.61	47.85	
80 permits SMLCRA amended	2	700.00	24.00		
Refuse 7.1.68 thru 12.31.76	6				
Refuse 1.1.77 thru 12.31.77	1	100.00			
<b>TOTAL</b>		13,899.98	503.82	320.42	
<b>SAND &amp; GRAVEL</b>					
62 thru 72 permits SMLRA	2	2,715.50	84.00	57.39	
72 thru 76 permits SMLCRA	34	21,575.00	777.00	704.20	
76 permits SMLCRA amended	3	675.00	21.00	18.50	
79 permits SMLCRA amended	8	6,625.00	248.60	87.50	
80 permits SMLCRA amended	3	1,575.00	56.10		
Refuse 7.1.68 thru 12.31.76	2	250.00			
<b>TOTAL</b>		33,415.50	1,186.70	867.59	
<b>COMPOSITE TOTALS</b>					
62 thru 72 permits SMLRA	48	445,868.39	70,109.60	69,220.76	554.11
72 thru 76 permits SMLCRA	401	738,175.00	28,504.14	24,762.18	
76 permits SMLCRA amended	7	4,576.00	121.10	99.10	
78 permits SMLCRA amended	7	4,576.00	121.10	99.10	
79 permits SMLCRA amended	8	47,000.00	1,824.00	125.40	
80 permits SMLCRA amended	100	481,300.00	19,962.21	802.70	69.00
Refuse 7.1.68 thru 12.31.76	35	89,800.00	3,510.15	3,968.45	205.80
Refuse 1.1.77 thru 12.31.77	9	70,158.50			
<b>TOTAL</b>		1,895,176.89	123,296.00	96,978.59	828.91

\*1 SMLRA Surface Mined Land Reclamation Act; 1.1-62 thru 9.16-71 /

\*2 SMLCRA Surface Mined Land Conservation & Reclamation Act; 9.17-71 thru 6.30-75

\*3 SMLCRA (amended) Surface Mined Land Conservation & Reclamation Act; 7.1-75 thru 12.31-77

and complexity in the federal law and resultant rules and regulations that much time-consuming study is required before one can properly learn and apply what is required. Thus, when fully operational, state LRD personnel will be required to enforce both the state reclamation act as well as the federal act.

Two major aspects of the federal surface mining law will mandate significant increase in the Illinois Land Reclamation Division staff. The first aspect is that surface effects of underground coal mining will, for the first time, require permits, inspection and land reclamation work. The second aspect is that greater detail of inspections and reporting requirements and reporting to the federal agency all will require increased time and effort and also will include greater secretarial assistance. Much of the planning and budget work for the increased workload was being initiated during the later part of 1977.

Some general comment to the general public, regarding expectations from the federal surface mining law, might be in order. Two key statements are "lag-time" and "phase-in-period." Lag-time applies to the land reclamation work to be done on lands already mined and still being mined under criteria of the Illinois reclamation law and which are to be reclaimed under existing Illinois law provisions. It will be a period of years before the general public is likely to notice much of significance which will be attributable to mandates of the federal law. This especially will be so because of high standards already being practiced under existing Illinois law.

At the risk of adding some confusion, it is pointed out for readers' information that the federal surface mining law implementation calls for an interim period during which initial environmental performance standards are to be observed and, later, the permanent regulatory program is to come about. Hence, the terms "lag-time" and "phase-in-period" are once again emphasized, for the readers' benefit, for hopefully obvious reasons.

Returning to discussion of administration of Illinois surface mining laws, attention is directed to Table I. This table summarizes permits issued and acreages affected under those permits. Note that current as well as all previous permits under the law are summarized and each mineral type as well as a composite for all minerals is given in Table I.

To be emphasized in reading Table I is the fact that we are dealing here with *permits issued* for indicated time period and figures accounting for permit activity do not necessarily indicate what occurred in a given year. Proper understanding of this table

**TABLE II**  
**ACRES RECLAIMED AND APPROVED,**  
**OPEN CUT LAND RECLAMATION ACT AND SURFACE-MINED LAND RECLAMATION ACT**  
**For Permits Issued 1-1-62 thru 9-16-71**

Product	Acres Affected	Total Reclamation	Graded for Crop or Pasture	Strike-Off for Pasture	Reforested	Recreational or Industrial	Non Vegetation	Refuse Adjustment Release	Reflected Adjustment Release
COAL previous to 12-31-61	103,181.00	92,018.00*1							
1-1-62 thru 12-31-75	66,260.22	66,495.41	29,464.99	30,330.03	3,938.06	2,234.54		452.73	35.06
1-1-76 thru 12-31-76		1,175.03	488.67	511.46	163.50				11.40
1-1-77 thru 12-31-77		860.65	717.85	95.00	107.80				
1-1-62 thru 12-31-77	66,260.22	68,511.09	30,671.51	30,896.49	4,209.36	2,234.54		452.73	46.46
LIMESTONE									
1-1-62 thru 12-31-75	2,585.94	2,100.34	735.42	983.51	173.77	86.80	105.14		6.70
1-1-76 thru 12-31-76		140.67	89.80	30.04		11.70	3.15		5.98
1-1-77 thru 12-31-77		91.04	54.35	27.19	3.70		5.80		
1-1-62 thru 12-31-77	2,585.94	2,332.05	879.59	1,050.74	177.47	97.50	114.09*2		12.68
CLAY & SHALE									
1-1-62 thru 12-31-75	197.04	192.62	76.93	34.58	72.91	2.50	5.70		
1-1-76 thru 12-31-76		1.25			1.25				
1-1-77 thru 12-31-77		1.00	1.00						
1-1-62 thru 12-31-77	197.04	194.87	77.93	34.58	74.16	2.50	5.70		
SILICA SAND									
1-1-62 thru 12-31-75	120.17	100.62	49.52	7.42	10.15	12.73	17.12		
1-1-76 thru 12-31-76		14.35			6.00	5.50	2.85		
1-1-77 thru 12-31-77									
1-1-62 thru 12-31-77	120.17	114.97	49.52	7.42	16.15	18.23	19.97*2		
SAND & GRAVEL									
1-1-62 thru 12-31-75	55.39	45.22	15.50	16.92	9.80	3.00			
1-1-76 thru 12-31-76		10.00	10.00						
1-1-77 thru 12-31-77		4.00	4.00						
1-1-62 thru 12-31-77	55.39	59.22	29.50	16.92	9.80	3.00			

\*1 Spoil and Water with pH5 or Greater, Vegetation Density and Overstory Greater than 25%, Data Provided by Cooperative Wildlife Research Laboratory, SIU.  
 \*2 Quarry Pit Floor

almost demands that it be contrasted with Table I from the 1976 annual report. To a degree, trends or changes seem to be more meaningful than actual, given statistics.

There were 71 coal mines with 298 permit locations under inspection during 1977, compared with 67 mines and 314 permit locations in 1976. For all minerals, there were 208 mines and 734 permit locations under inspection during 1977, contrasted with 209 mines and 761 permit locations during 1976. It is pointed out that a permit location is "erased" whenever surety bond for a given permit is released. New permit locations are added whenever new permits are issued and, to be stressed for distinction is the fact that, a given mine may have a single permit or it may have several. Statewide, for all minerals, the average is between three and four permits per mine (Table I).

Table I shows, for all minerals, there were 108 permits under inspection during 1977, only for refuse disposal sites.

Permit fees collected during 1977 were abnormally low because, during 1976, Illinois began issuing permits for more than one year. Multi-year permits, thus, made it unnecessary for many operators to secure permits in 1977. Table I, column one lists permits by year with last two numbers indicating year of permit expiration, except that permit year for refuse permits would indicate year of permit issuance (refuse permits do not have time expiration period).

Since the beginning of permit issuance in 1962, over \$1,895,000 have been collected for all permits. During 1977, permit fees collected amounted to \$150,825 (difference from 1977 and 1976 Table I figures).

Contrasting permit acres with affected acres in Table I, in years prior to 1976, gave some meaningful information. However, because of present multi-year permits, a complexity component develops. Some of the permit acres for 1978, 1979 and 1980 permits still are to be affected and, for 1980 permits, no acres are yet recorded as affected, in Table I.

The greatest number of permit locations under inspection involves limestone with 313 permit locations at 96 mines and coal is second greatest with 298 permits at 71 mines. Silica sand has the fewest permits at 35, distributed among 8 mines. (Table I)

Regular readers of this annual report may notice some minor changes and corrections of data, contrasted with previous years' annual reports. One should take care to be certain if number changes, where they occur, may be associated with change of meaning or, in fact, change of number that represents correction of a possible error in data. Any inconsistency between annual

reports that one may discover should be interpreted in a way that presumes the newer information to be correct. Since Table I deals with permits and related statistics rather than time period, noting this distinction should help prevent erroneous data interpretation.

Narration in this report is intended to provide some data clarification as well as to help make noteworthy trends or facts more readily apparent. Those with special or academic interest who wish further explanation or detail should not hesitate to address questions either to the Land Reclamation Division's Springfield office or to any of the district field representatives listed on page two of this report.

The three Illinois land reclamation acts that are still active are listed as footnotes at the bottom of Table I. Abbreviations used in this report will be consistent with those definitions.

## AFFECTED ACREAGE AND RECLAMATION STATUS

Probably the most meaningful information available by which one can assess effectiveness of land reclamation law administration, over a period of years, is to evaluate affected acreage and reclamation status of those acres. Because of complexity of data interpretation, explanation will be provided in two parts (work under older laws and work under newer laws).

There is no single table that shows total amount of land reclamation work done, during calendar year 1977, for the whole state. Table II summarizes data as per the OCM and MLR rules and Table III deals with reclamation performed as per MLC&R rules and summarizes reclamation acres according to corresponding permit year with no identity of year in which the reclamation work was actually performed. To determine total acres reclaimed in the whole state during 1977, one would have to total the 1977 figure from Table II with another figure arrived at by subtracting from Table III the corresponding figures from Table III in the 1976 Annual Report.

Attempts have been made to "prepare working data" (tables herein provided) in such a way that the Land Reclamation Division's record keeping duties may be fulfilled with the same data sheets being made available for reporting to the public, as much as possible. It is hopefully apparent and acceptable, in the interest of efficiency, that meeting two objectives with a system designed for one might have an inherent, predictable short-fall. All questions are answerable and all necessary information can be made available by observing procedures herein indicated.

## PART I

### (OCM AND MLR AFFECTED ACRES RECLAMATION)

By discussing data in Table II for coal, the example should enable readers to interpret properly corresponding data for other minerals or for state total figures. Table II shows data for coal (other minerals not surveyed) previous to 12/31/61, sometimes referred to as pre-law acres of surface mining. All other data in Table II pertains to activity pursuant to the OCM and MLR acts for permits issued from 1/1/62 through 9/16/71.

By comparing Table II with the corresponding table from the 1976 Annual Report, a complete picture of the 1977 activities involving MLR acres can be assessed. (There were no OCM activities because the books were closed on the law previously.) Note that affected acres did not change over last year because affected acres is now "fixed" and will not change. When all reclamation work is completed, the reclamation column figures will equal or exceed the affected acres column numbers.

Table II, in the 1976 Annual Report showed coal reclaimed acres greater than affected acres. The 1977 report shows, in Table II that the increased (surplus acres) reclamation is continuing. Not identifiable in Table II is one transaction where a company reclaimed 688 acres of graded pasture and was given acreage credit but zero bond release because unbonded land was involved. Such transactions hopefully will continue on a voluntary basis and progressively decrease existing unreclaimed acreage status involving acres affected prior to the 1962 OCM Act.

In addition to coal mining, sand and gravel is the only other mineral showing reclamation in excess of OCM and MLR acres affected. Table II shows limestone, clay and shale, and silica sand getting close but still short of reclaiming all of their affected acres.

There are no OCM law bonds remaining on LRD records except for some forfeiture collections that still are not consummated.

Table II shows 880.65 acres of coal reclamation approved during 1977, which was a decrease from the 1,175.03 acres approved the preceding year. This figure should continue to decrease because progressively more acres should be experiencing reclamation work under laws subsequent to the OCM and MLR laws.

One can note in Table II that acreage graded for crop or pasture nearly equals strike-off-pasture reclamation. This means that coal companies have reclaimed 30,671.51 acres voluntarily beyond legal grading requirements. Complete grading of spoils was not required under the OCM and MLR Acts. Reasons for this

**TABLE III**  
**SURFACE-MINED LAND RECLAMATION AND RECLAMATION ACT**  
 For Permits Issued 9-17-71 thru 12-31-77  
**ACREAGES RECLAIMED, APPROVED, & BOND RELEASED BY PERMIT YEAR**

	Acres Affected	Total Reclamation	GRADING AND TEXTURE					LAND USE					ADJUSTMENT RELEASE		
			Crop/land*2 Rule 1104	Grade 4% of Original No Rock	Grade 4% of Original	Maximum Grade of 15%	Maximum Grade of 30%	Misc.*3	Cereal Grain	Pasture	Forest	Recreation & Wildlife	Industrial	Misc.*3	Adj.*4 Refuse
COAL #1 72 Permits 73 Permits 74 Permits 75 Permits 76 Permits (SM/CRA Amend.)	7.00	4,838.92		121.55	1,321.66	3,149.56	94.55	32.60	290.10	4,383.67	13.56		32.60	110.00	6.00
	5,965.32	1,709.83		767.00	729.00	2,882.45	154.75	23.00	661.36	3,264.59	7.25		23.00	113.30	6.00
	5,122.10	1,470.83		228.00	389.00	867.33	123.00	19.00	337.00	1,263.33	13.00		8.00	76.50	1.00
	5,635.76	1,470.83		49.00	66.00	13.00	8.00	8.00	10.00	11.50			8.00	9.00	
	728.30	20.50	11.50												
TOTAL	22,538.14	10,786.75	11.50	1,163.55	2,455.66	6,365.34	385.30	82.60	1,298.46	9,949.09	33.80	11.00	71.60	311.80	13.00
LIMESTONE 72 Permits 73 Permits 74 Permits 75 Permits 76 Permits (SM/CRA Amend.)	6.10	4.35				4.35		61.45	1.20	153.25					
	5,965.32	1,709.83		225.00	5.00	159.83	2.00	106.50	9.20	114.04		26.40	47.06	1.00	5.50
	5,121.24	1,368.34		513.21	4.00	119.24	14.00	63.40	5.00	64.40	10.00		44.95	61.65	1.00
	5,646.67	1,470.83		28.00	2.00	63.40		60.25		66.40			58.25	57.75	2.00
	728.30	70.00	60.70			3.00	67.00	6.00		3.00			8.50	68.50	
TOTAL	2,213.12	704.71		11.00	356.09	16.00	310.12	15.40	347.69		10.00	81.85	240.27	2.00	7.50
CLAY & SHALE 72 Permits 73 Permits 74 Permits 75 Permits 76 Permits	24.00	13.75			7.75	4.33	1.00		7.75				1.00		6.00
	31.18	6.58			4.33	0.90			0.90						2.25
	4.00	1.50													
	21.00														
TOTAL	80.18	21.83			12.96		1.00		12.96				1.00		8.25
SILICA SAND 72 Permits 73 Permits 74 Permits 75 Permits 76 Permits (SM/CRA Amend.)	5.10	5.10					5.10			5.10				0.77	
	19.90	10.30			9.53		0.50			9.53	0.50			0.77	
	34.96	9.64			2.00	1.14			2.00	1.14			7.60	7.60	
	14.05	8.80			1.20	7.07			1.20				5.26	5.26	
	50.85	4.00					4.00						4.00		
TOTAL	194.95	50.17			12.73	12.67	24.77		17.83	0.50	7.07		24.77		
SAND & GRAVEL 72 Permits 73 Permits 74 Permits 75 Permits 76 Permits	19.10	17.80					17.80								
	281.05	191.90			88.00	17.00	88.00		88.00		17.80	5.00	81.90		
	192.90	96.10			20.10	15.20	20.10		20.10		15.20	3.40	29.50		
	87.00	10.00			4.50		5.50		4.50				5.50		
TOTAL	704.20	335.30		4.50	108.10	50.00	112.70		112.60		50.00	8.40	164.30		

\*1 Permit Year ending June 30 of year indicated

\*2 Approximate Original Grade Specified Texture Darkened Surface Soil Requirement

\*3 Reclamation Bond Released and Reimbursed for Refuse Disposal

\*4 Reclamation Bond Released and Reimbursed for Reclaimed Acreage

\*5 Reclamation Bond Released and Reimbursed for Reclaimed Acreage

over-achievement are not known as, no doubt, readers of this report are able to speculate on their own just as reliably as can the writers of this report.

There were no transactions in 1977 involving coal refuse or other reaffected adjustment releases, as indicated in Table II. Separate tally of reaffected land is done to prevent artificial inflation of total affected or released acres in a misleading manner.

## PART II (SMLC&R ACT AFFECTED ACRES RECLAMATION)

One permit for seven acres was issued in 1972. Otherwise, the SMLC&R Act began with surface mining under 1973 permits. Table III shows 5,683.32 acres affected by coal mining under FY 73 permits; however, unfortunately, Table III does not reveal how many of those acres were actually affected in FY 73. To determine such, one must consult the 1973 Annual Report which reveals 4,656.01 acres were affected by coal mining that year. By law, the three-year time limit called for those acres to be reclaimed by 1976. Table III of the 1976 Annual Report shows 3,858.38 acres (almost 83%) were actually reclaimed. Table III now shows 4,835.92 acres have been reclaimed under FY 73 permits and the balance acres would have been affected in FY 74 under permit extension. By 1977, thus, all of the 5,683.32 coal mined acres would have experienced three-year time limit expiration. The fact that acres reclaimed is only 4,835.92 or 85% of affected area, we have those numbers as some indication of performance under the law. The reader of this report is entitled to presume that the 15% unreclaimed acres either are in non-compliance or are covered by legal time extension. Other chapters of this report will show that some of each actually occurs.

The foregoing example was deliberately detailed to serve as an example to assist readers of this report to understand and make whatever calculations or interpretations would be of interest from Table III data.

Comparing Table III with the same table in the 1976 Annual Report will reveal that there is a new column in the 1977 Table III. The new column, under grading and texture, is original grade and dark soiled. Under the 1975 amended law, row cropland reclamation areas requiring dark surface soil replacement are not due for grading completion until May 30, 1978 (11 months after completion of mining year). The 11.5 acres of approved dark soiled land in Table III represents some "ahead of schedule" effort by one operator. That column, however, should show significant acreage figures in future years.



In addition to showing completion status of reclamation work under the SMLC&R Act, Table III also is intended to show something about condition of the lands being reclaimed. To fully comprehend the data, it is necessary to make a sharp distinction between topography and texture, and actual land use. Topography and texture (Topo-texture) describes land slopes and, where appropriate, rock conditions (texture). The maximum grade 30% areas generally are slope exception areas (out slopes, final cut slopes and roadside slopes). Miscellaneous acres are highwall slope acreages. In general, one familiar with land management and planning land use should have some idea about the types of uses one could practice on the various topo-texture acreages given in Table III. For example, of 10,789 acres reclaimed on coal affected acres, 2,456 acres (23%) has topography within 4% of original grade and would be tillable except that rocky soil could be a limitation. The 1,164 acres shown to be within 4% of original grade with no rocks would be definitely tillable land.

Table III shows, of lands released under the SMLC&R Act thus far, 59% (6,365 acres) of coal reclaimed acres are in the rolling land, maximum 15% slope category and, though commonly rocky land (at least in places), texture actually is not known.

It is important, in understanding this table (Table III) that the amount of acres reclaimed during 1977 is not given, and therefore cannot be determined from this table alone.

Total SMLC&R Act coal acres reclaimed through 1977 was 10,788.75, which, when compared to Table III in the 1976 annual report shows an increase of 3,316.08 acres during 1977. When considering the fact that these acres are too small to equal even one year of surface coal mining affected acres, distribution of these reclaimed acres actually is spread among four permit years. It must be thus concluded that the coal industry apparently is falling behind in its land reclamation schedule, which helps explain the non-compliance chart presented in a later chapter of this report.

It is pointed out that all acres not reclaimed after the third year are not necessarily in non-compliance, as some might be tempted to conclude from Table III. There are operating conditions where active mining conflict prevents land reclamation work and existence of legal time extensions do not appear on Table III nor anywhere else in this report.

One should also understand that this report alone does not reveal condition of affected land that is not yet reclaimed. Even a parcel which is almost done, of course, is listed in the unreclaimed column until final approval of both grading and vegetation are

secured. It is not unusual for some operators to secure grading bond release wherever that aspect is completed. However, such release acres are not tallied in Table III releases until satisfactory vegetation is established.

Under land use category of reclaimed acres, Table III shows almost 84% of reclaimed acres being reclaimed for pasture use and cereal grain being the next most important category. One should not overlook the fact that much of the pasture acreage is actually tillable land and can be devoted to such whenever the landowner chooses to do so. It is also pointed out that it is commonly believed, on strip mined lands, a time period of growing sod crops — especially deep rooting alfalfa, is desirable to improve the soil before actual establishment of row-crops. Plowing under green manure, as well as presence of heavy root development in the soil, when eventually incorporated in the soil, imparts well-known, favorable characteristics to the soil.

Forest acreage continues to be a minor land use on reclaimed land under the SMLC&R Act. Table III shows small industrial land acres and some miscellaneous acres that could be highwall acreage and road acreage. The adjacent columns in Table III represent efforts to account for reaffected land acreage, either by refuse disposal or by re-mining of previously affected acreages. Purpose here is to show the extent of such and avoid inflating total reclaimed and total affected acres in a misleading way that, when accumulated over a long period of years, could be significant.

The last point to be made about Table III is that total acres affected under the SMLC&R Act actually is larger than indicated. One can note that permits are listed excluding FY 79 permit affected acreage. No reclamation is required and none has been approved yet, so FY 77 affected acres, under FY 79 permits, were not listed.

## RECLAMATION PLANS

Possibly one of the single most effective tools given to the state Land Reclamation Division is that of approving proposed land reclamation plans prior to permit issuance. In fact, the only legal way for rejecting a permit is by disapproval of the reclamation plan, or an inadequate application.

Appendix Table A summarizes, by mineral product, the nature of approved reclamation plans for permits issued during calendar 1977.

Comparing appendix Table A with the same table from the 1976 annual report shows sharply reduced acres permitted during

1977. Reason for the big change is that multi-year permits started during 1976. During 1977, the only permits issued were for new mines or amendments at existing mines. Quarries are an exception because, commonly, quarries do not require permits every year because continuous stripping is not necessary.

Appendix Table A is divided into categories showing land description by grading and texture as a separate category from land use. The difference has been already explained in the chapter describing Table III.

Appendix Table A in the 1976 annual report had a column, under approximate original grade, showing both rock limitations and no rock limitations. Since the amended SMLC&R Act limits rocks in the upper four feet, on lands graded to original grade for row crop agriculture criteria (Rule 1104), there no longer is need to list rock limitations and no rock limitations separately.

Note that, in appendix Table A, under original grade, there are two categories. Rock limitations means texture only to be observed. These generally are class C slope lands (5% to 10% slope) where dark surface soil replacement will not be required. In 1976, proportion of permit acreage graded to original grade was 52.16%. In 1977, this category increased slightly to 54.44%. There was 48.7% of permit acreage approved for original grade and dark soil replacement during 1976 and this proportion increased very slightly to 49.1%.

Only coal mines will be grading to original grade and replacing dark soil under permits issued during 1977. In fact, for coal mines, 55.4% of permitted acreage will be dark soiled and an additional 6% will be original grade to meet texture only.

Because of increase in proportion of acres to be graded to original grade, most other categories decreased, comparing 1977 to 1976 data. The maximum 15% slope category increased from 18% to 23%; and maximum grade 30% decreased from 27% to 22%.

Permits issued during 1976 showed over 90% of acreage to be affected will be reclaimed to agricultural (row crop and pasture) land use. This proportion dropped to 83%, during 1977. Forest land use increased from 6% to almost 8%. During 1976 permit issuance, recreation and wildlife land uses each comprised less than 1% of acreage to be affected. Permits issued during 1977 showed 1.6% of affected acres to be reclaimed for recreation use and almost 7% for wildlife land use. (Appendix Table A)

Singled out for special attention in Appendix Table A is the fact that grading lands to maximum 15% slope criteria no longer is the dominant category of reclamation grading and this is a continuation of the trend started in 1976. In 1975, for example, 50% of

permitted acreage was to be graded to maximum 15% slope category. These figures confirm that notable change of direction is being experienced. Regarding the maximum 15% slope category, one should understand that is maximum, and average slope on those areas probably is about six or seven percent.

## STATE MODIFICATION OF PROPOSED RECLAMATION PLANS

Under the SMLC&R Act, the Department is required to hold public hearings to discuss proposed land reclamation plans, whenever such hearings are requested by the County Board or Commission in the county where mining is proposed. Appendix Table B summarizes hearings held during 1977 and also indicates number of reclamation plans rejected. One should understand that rejection of a reclamation plan automatically means that permit must be denied.

Title of this chapter is slightly misleading but, because it was appropriate in past years, preserving the chapter title is done to aid those who attempt perennial trend evaluations and studies. Beginning during 1976, proposed plans were either approved or rejected with only minor alteration and correction permitted, whenever requested by the Department in writing, pursuant to Rule 205(d). Prior to 1976, the Department did engage in commonly applying a Departmental addenda which constituted a modification of the approved plan. The newer approach for handling this matter comes about from legal counsel as the preferred procedure.

Appendix Table B shows a total of eleven public hearings were held during 1977. This was a significant drop from the 19 hearings held during 1976. There were hearings held in eight counties during 1976 and only four counties held hearings during 1977.

Fulton County was the site of the greatest number of public hearings both during 1976 and 1977.

One aspect of number of public hearings held which could be but should not be overlooked involves relationship to total permit issuance. The year 1977 was not a "normal" year for permit issuance because many mines received multi-year permits during 1976 and thus did not apply for a permit during 1977. As a result, change (reduced number) of public hearings numbers does not necessarily mean what, at first glance, it seems to imply.

The number of reclamation plan rejections was five during 1977. There were 22 rejections during 1976. One should not misconstrue rejections listed on Appendix Table B, regarding

public hearings' possible implication. There actually is no relationship between the two and they are listed together only for convenience. Reclamation plan rejections do not necessarily involve public hearing matters, even though in some instances, it does.

## **NONCOMPLIANCE AND BOND FORFEITURE**

Surface mining laws impose certain deadlines on mine operators. May 30 is the deadline for completion of grading work on preceding year's affected acreage and July 1 is the deadline for bond release on acreage affected three years preceding, under both the MLR and MLCR rules. September 1 is the deadline for submission of affected acreage reports. Other deadlines occur whenever time extensions are granted for specific time periods.

Under MLR rules, failure to meet a deadline results in a notice sent by certified mail informing the operator of the noncompliance and provides 90 days in which to correct or restore compliance. In the case of the MLC&R Act, only 45 days are allowed. In each case, failure to meet the new time period results in a 30-day letter sent by certified mail. The second notice (30-day notice) allows an operator opportunity to request a hearing. Failure of a satisfactory solution, after a 30-day notice expiration, results in bond forfeiture request to the Attorney General's office.

Just as has been occurring in preceding years, it was necessary during 1977, to use all noncompliance mechanisms, including consummation of forfeitures.

## NONCOMPLIANCE CHART

### SURFACE-MINED LAND RECLAMATION ACT

90 day letters		30 day letters	
Product	Number of Notices	Product	Number of Notices
Limestone	1	Coal	1
		Limestone	1
TOTALS	1		2

### SURFACE-MINED LAND CONSERVATION AND RECLAMATION ACT

45 day letters		30 day letters	
Product	Number of Notices	Product	Number of Notices
Coal	15	Coal	3
Limestone	2	Limestone	1
Clay & Shale	5	Clay & Shale	2
Refuse			
Clay & Shale	1		
TOTALS	23		6

The noncompliance chart summarizes legal actions taken to prod mine operators to complete required work and to meet required schedules. A comparison of the noncompliance charts for 1977 and 1976 shows 90-day letters were sent seven times in 1976, but only once during 1977. The reduced number does not necessarily mean better compliance. Rather, what seems to be happening is that transactions under the MLR Act are phasing out as pre-1973 affected areas are reclaimed and accounts cleared up.

The number of 45-day notices decreased from 26 to 23, during 1977. Both 1976 and 1977 experienced six 30-day notices. One should understand that 45 day notices should always exceed the number of 30-day notices because most people are inclined to respond by taking required, corrective measures. Receipt of a 30-day notice, though not always the case, commonly is followed by bond forfeiture.

Table IV shows a summary of surety bond forfeitures experienced for all present and past surface mining land

**TABLE IV**  
**BOND FORFEITURE**  
**OPEN CUT LAND RECLAMATION ACT, SURFACE-MINED LAND RECLAMATION**  
**ACT, AND SURFACE-MINED LAND CONSERVATION AND RECLAMATION ACT**

County	Company	Acres Reclaimed		Acres Remaining		Bond Forfeited In Dollars	Forfeitures Requested In Dollars	Amount Performed
		Permitted	Unpermitted	Permitted	Unpermitted			
Jackson	Alax Coal Co.			17.00		1,800.00	1* 3,400.00	
Jackson	Farley Brothers	9.00	37.00			13,600.00		1,780.85
Jackson & Williamson	Maritime Coal	151.00	3.00			1,000.00	17,200.00	25,838.60
Jackson	New Gallatin Coal	2.50				2,000.00		1,000.00
Johnson	Royal Valley Mining Co.			10.00		2,000.00		
Johnson & Pope	E & L Coal Company	3.20				6,100.00	2,000.00	
Johnson	Jobs Mining	7.85				1,000.00		
Johnson	Knickerbocker Clifford	4.00		3.00				
Johnson	New Burnside Coal Co.			9.00		2,300.00	1,000.00	
Johnson	Meko Mining Co.	14.00				1,000.00		
LaSalle	Ill. Valley Minerals	7.50				1,500.00	1* 4,000.00	
LaSalle	Pure Silica	3.68				1,000.00		
Montgomery	Litchfield Quarry	13.00				2,500.00		
Pandolph	Eden Mining Corp.			79.00		2,000.00	2*13,800.00	1,480.00
Saline	Herod Mining	33.40			7.00	6,680.00		10,348.00
Saline	J. W. Coal	18.00	18.00			3,600.00		5,637.00
Schuyler	Marshall Equipment Co.	69.80	82.00		49.00	15,312.50		11,122.50
Williamson	Sugar Creek Quarries			3.00		1,800.00	3,000.00	
Williamson	Big Muddy Coal	9.00				5,000.00		1,379.20
Williamson	Illinois Orchard Corp.	25.00				1,200.00	4,000.00	7,616.80
Williamson	Illinois Coal, Oil & Gas Co.			4.00				
Williamson	Western Mining	6.00	22.00			1,000.00	10,000.00	1,270.35
Williamson	White Construction			10.00		1,000.00		
Williamson	Wenzel Brothers	5.00		5.00	41.00	1,000.00		1,027.78
<b>TOTALS</b>		<b>345.38</b>	<b>162.00</b>	<b>176.55</b>	<b>116.00</b>	<b>73,392.50</b>	<b>58,400.00</b>	<b>68,501.08</b>

\*1. Forfeiture Claims Uncollectable Due to Bankruptcy of Bond Companies

\*2. Bond Company has been Placed in Liquidation

reclamation laws. Companies against whom forfeiture has been required are listed and are grouped by county. There were three new companies added to this list during 1977. Total number of companies experiencing bond forfeiture now has increased to 26.

Surety bond forfeitures requested but not yet consummated are indicated in the next to last column of Table IV. Once the LRD reports that required work has not been performed and required time has lapsed, sending a notice to the Attorney General's office asking that office to instigate forfeiture proceedings and to collect the monies due, basically is about all which can be done. Some bonds have remained uncollected for a number of years, as indicated by Table IV listings from past annual reports.

There was no forfeiture fund land reclamation work performed during 1977 because there were no funds appropriated for such.

Forfeiture funds collected, by law, are deposited in the state general revenue fund. The Department requests forfeited funds to be appropriated so that the needed land reclamation work (for which bonds were forfeited) could be performed. During 1977 as well as during other recent years, the state legislature has not seen fit to appropriate any of the forfeited funds now deposited in the state treasury.

Only one forfeiture collection was made during 1977 under which, by agreement, an operator paid \$2,000.00 and is to pay the balance \$2,000.00 at an agreed later date.

Foot notes for Table IV indicate some forfeited funds may never be collected because of bond company bankruptcy in one case and bond company liquidation in another case.

## COURT ACTIONS

One field representative from the state Land Reclamation Division spent considerable time and made a number of court appearances in Pope County assisting the state EPA to prosecute a coal mine operator under state EPA law violations. A number of court fines resulted.

Court injunction was sought against a Williamson County operator who appeared to be strip mining for coal but who claimed to be building a hog lot and purported that coal was merely "in the way" and had to be removed but removal of such was only incidental to over-all objectives of the operation. Though the injunction sought was denied, a modified injunction was granted that still permitted excavation for hog lot construction (and coal removal) on a specified area. Subsequent EPA injunction petition was settled without injunction by agreement calling for the operator to secure an EPA Coal Mining permit. The state EPA



later denied the permit and failure to have a Mines and Minerals permit was one of the reasons cited. At this writing, application for a surface mining permit is on hand and probably will be issued under normal procedure and time schedule.

Another Williamson County operator was found strip mining for coal where overburden depth was purported to be less than 10 feet and thus did not require a surface mining permit. Repeated inspections eventually found that 10 feet of overburden had been exceeded and the operator was prosecuted for surface mining in violation of the SMLC&R Act. Prior to court trial, the operator agreed to permit and reclaim all area already affected (less than 10 feet overburden mining) if the state would drop charges. It was verbally agreed and a continuance order allowed the operator 120 days for securing the SMLC&R Act permit. At this writing, the permit application has not been received. When the 120 days expire, plans are to return to court. Injunction was not sought in this case because mining activity was stopped voluntarily.

### TECHNICAL VIOLATIONS

One mine in Williamson County and one in Saline County were found to have reached the acreage limits of existing permits before new permits were secured. Continued mining thus would have been illegal. In both instances, the mine operators voluntarily stopped mining until new permits were issued. Voluntary work stoppage of this type, with prodding from the state LRD, made it unnecessary to go through legal action to obtain court injunctions.

### AFFECTED ACREAGE BY COUNTY – COAL

Since the major surface mining land disturbance in the state involves coal surface mining, Table V gives a summary of these acreages by county and also gives a total for the state. To avoid confusing figures with those in Table I or Table III, one should understand that Table V deals with acreage affected by indicated time period; whereas, Tables I and III involve permit issuance dates and summarize acreage under given permit identities.

Coal is the only mineral commodity in the state for which state-wide survey of all acreage disturbance has been conducted. Areas affected prior to the time land reclamation efforts were required are identified on Table V as prior to law acres.

The 1976 Annual Report showed that, for the first time in a number of years, annual acreage disturbed by coal surface mining was an increase rather than a decrease over previous years. Table V shows 1977 disturbed acres as 5,355 compared with 5,477 acres in

1976, indicating the increase trend was short-lived. Realistically, surface coal mining rate of disturbance probably did increase in 1977; however, statistics do not reveal the nature of the anomaly involved. Interested parties should be able to confirm man-days worked from the Department of Mines and Minerals' Annual Report. It is expected that what will be found is that reduced annual work days were experienced because of work stoppages due to frequent, wildcat strikes. Consequently, the coal mines in Illinois worked less than twelve normal work-months during the 1977 fiscal year and thus indicated mining acreage rate for the year tell something less than the "whole story." Increased numbers of coal surface mining permits during the year involving both new, small companies entering the coal surface mining business but some new mines for existing operators being developed also. There is some basis for suggesting surface coal mining acreage disturbance could be increasing in the immediate future, based on new mines under development.

It is possible to predict that fiscal 1978 also will be an atypical year, for statistical purposes, because of prolonged work stoppage associated with miners' union labor contract expiration in December. There was little coal mining activity at any coal mine in Illinois after December 6, 1977, for the remainder of the calendar year.

Table V shows that, as of the end of June 1977, there have been 197,229.21 acres affected by coal surface mining in all of Illinois. Of this total, there were 103,181 acres affected prior to law and the balance 94,048 acres were affected since 1962 and governed by land reclamation requirements. "Regulated", disturbed acres now comprise over 47% of total affected coal surface mining acres in Illinois.

Table V also lists acreage affected by county. Six counties are listed with affected acreage in the "five figure" category. These counties are Fulton, Knox, Perry, Saline, St. Clair, and Williamson. There were no new counties added to this group during 1977. Perry County is still the only county experiencing more than one-thousand acres of annual coal strip-mining disturbance.

Three counties are now listed as having coal strip mine affected acres of 5% or more of total county acreage. These counties are Fulton, Perry and Williamson with 8.30%, 10.06%, and 5.38% respectively. Thus, Perry County has the highest proportion of its county affected by coal surface mining; however, Fulton County has the greatest affected acreage (46,771 acres).

Total number of counties which have experienced some coal surface mining stands at 40. This number did not change in 1977.

**TABLE V**  
**COAL - AFFECTED ACREAGES - PRELAW - JUNE 30, 1977**

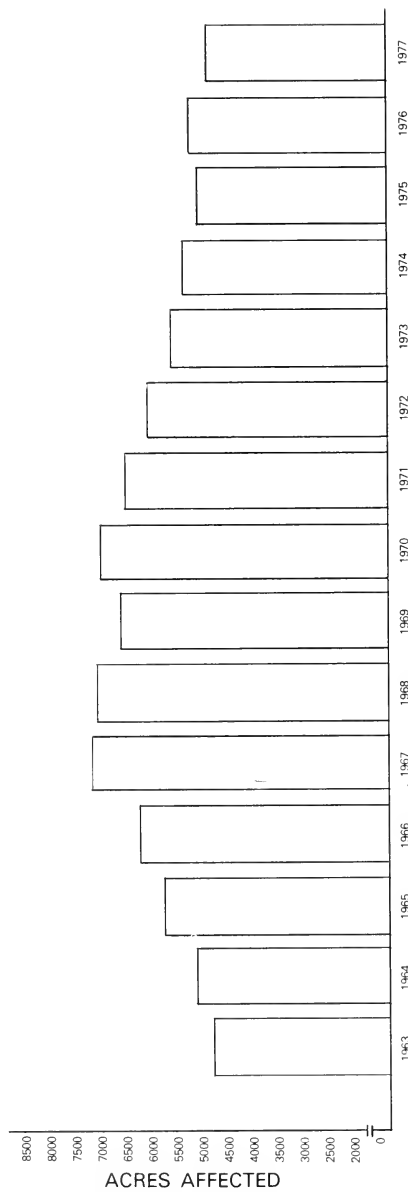
County	Prior to Law	1-1-62 thru 6-30-74	7-1-74 thru 6-30-75	7-1-75 thru 6-30-76	1-1-76 thru 6-30-77	Total County Acreage Affected	Percent of County Acreage Affected
Adams	177.00	51.00				228.00	04
Brown	19.00					19.00	06
Bureau	2,910.00	225.00				3,135.00	05
Clark	3.00					3.00	0009
Crawford	4.00					4.00	001
Edgar	51.00					51.00	01
Fulton	25,293.00	18,865.17	811.00	880.00	922.00	46,771.17	8.36
Gallatin	208.00	1,571.54	83.17	122.60	208.37	2,193.68	1.04
Greene	50.00	6.00				56.00	016
Grundy	6,162.00	1,127.72				7,289.72	2.63
Hancock	101.00					101.00	02
Henry	2,676.00		5.25	99.50	414.75	2,676.00	50
Jackson	4,080.00	836.50	432.00	309.37	212.64	5,436.00	1.41
Jefferson	72.00	1,515.97				2,541.98	69
Jersey	1.00					1.00	0004
Johnson	2,097.00	53.25	7.30	4.00	2.50	2,164.00	03
Kankakee	83.00					83.00	50
Kaskaskia	11,434.00	7,303.19	534.50	682.00	361.00	20,313.69	4.36
LaSalle	1,213.00					1,213.00	06
Livingston	46.00					46.00	007
Madison	7.00					7.00	001
Marshall	1.00					1.00	0004
McDonough	6.00				38.00	44.00	01
Menard	0.00	6.00				6.00	004
Mercer	25.00					25.00	007
Morgan	4.00					4.00	001
Peoria	1,265.00	6,653.18	378.00	353.00	152.00	8,801.18	2.20
Perry	13,084.00	11,393.39	1,346.00	1,385.56	1,338.00	28,546.95	10.06
Pike	1.00					1.00	0002
Pope	0.00	32.00	10.00	3.80	1.90	47.70	02
Randolph	2,387.00	4,961.60	850.00	782.50	679.75	9,660.85	2.54
Saline	5,584.00	4,595.45	304.76	389.80	173.00	11,047.01	4.49
Scott	1,327.00	737.00				2,064.00	0006
Shelby	1,329.00	2,197.39	122.00	62.00	299.00	3,968.38	1.44
Stark	239.00	7,124.80	55.00	66.00	80.10	13,273.90	3.09
St. Clair	5,948.00	1,089.00		13.00	10.00	5,320.00	92
Vermilion	4,208.00					4,208.00	007
Wabash	6.00					6.00	001
Will	4,698.00	1,611.36	13.00	323.45	396.55	6,322.36	1.17
Williamson	7,792.00	5,972.74	267.84			14,752.58	5.38
Totals	103,181.00*1	77,996.25*2	5,219.82	5,476.58	5,355.56	197,229.21	550*3

\*1 Data provided by Cooperative Wildlife Research Laboratory, SIU

\*2 Data to 6/30/71 provided by Cooperative Wildlife Research Laboratory, SIU

\*3 550 total acreage affected by surface mined lands in Illinois

**FIGURE 1**  
SURFACE MINING - COAL AFFECTED ACREAGE BY PERMIT YEAR



PERMIT YEARS (JULY 1 THRU JUNE 30)

Some surface coal mining was reported in 17 counties during 1977, contrasted with 15 counties during 1976. The two new counties where surface coal mining disturbance was reported during 1977 were McDonough and Schuyler, involving new haul road construction. (Table V)

Some contrast of mining activity trend, by county, could be of some interest. The following listing compares state rank of surface coal mining acreage affected for the pre-law period with the county rank during the current, single year (1977):

**Coal Affected Acreage—Contrasting County Rank  
For Indicated Time Period**

<b>Prelaw Period</b>	<b>(Acres)</b>	<b>1977</b>	<b>Acres</b>
Fulton	25,293	Perry	1,250
Perry	13,084	Fulton	922
Knox	11,434	Randolph	680
Williamson	7,792	Jackson	415
Grundy	6,162	Williamson	396

The above chart shows that only three counties (Fulton, Perry, and Williamson) have come close to retaining their relative state-wide rank of surface coal mining importance; whereas, Knox and Grundy Counties have lost their rank and Randolph and Jackson Counties have increased their relative ranks respectively. Since the pre-law period ended in 1962, the above chart gives some indication of statewide coal surface mining location trend, geographically. Two counties which were dropped from the "top-five" list since 1976 were Knox and Saline.

## REFUSE DISPOSAL PERMITS

Table VI shows a summary of refuse disposal permits listed according to the law under which permits were issued. Attention is directed at the fact that some changes were made in table structure and those who may wish to make comparisons with Table VI in the 1976 Annual Report will need to make comparisons with due regard to table changes.

Unlike surface mining permits which require land reclamation within a specified time, refuse disposal permits are in effect for so long as active disposal occurs. After completion of active use, reclamation is required in one year.

**TABLE VI**  
**SUMMARY OF REFUSE DISPOSAL PERMITS BY RECLAMATION ACT**

		Permits In Effect	Acreage Under Bond	Total Permits Issued	Total Acreage	Permits Released	Acreage Released
<b>SMLRA</b>							
Coal	Gob Slurry	13 11	111.13 606.82	32 17	409.92 761.27	19 6	296.79 154.45
Total Coal Refuse		24	717.95	49	1,171.19	25	453.24
Limestone	Slurry	1	1.00	1	1.00		
Clay & Shale	Slurry	1	2.00	1	2.00		
Silica Sand	Slurry	3	15.00	3	15.00		
Sand & Gravel	None						
Totals		29	735.95	54	1,189.19	25	453.24
<b>SMLC&amp;RA</b>							
Coal	Gob Slurry	42 22	855.11 2,018.10	51 26	943.59 2,107.09	9 4	88.48 86.99
Total Coal Refuse		64	2,873.21	77	3,050.68	13	177.47
Limestone	Slurry	6	9.00	8	10.50	2	1.50
Clay & Shale	Slurry	3	87.00	5	107.30	2	20.30
Silica Sand	Slurry	4	23.50	4	23.50		
Sand & Gravel	Slurry	2	6.00	2	6.00		
Totals		79	2,998.71	96	3,197.98	17	199.27
<b>COMPOSITE TOTAL ALL REFUSE</b>		108	3,734.66	150	4,387.17	42	652.51

Looking at composite totals on Table VI, there have been 150 refuse disposal permits issued to date. Total, cumulative refuse disposal permits is 4,387.17 acres. If we subtract released acres from total acreage column, the result will be acreage still under bond. A total of 42 permits have been released thus far, including 13 releases made during 1977. Total number of permits still in effect stands at 108. There were nine new permits issued involving 572.6 acres, during 1977.

Other comparisons and evaluations can be made by comparing Table VI with the same table from the 1976 Annual Report.

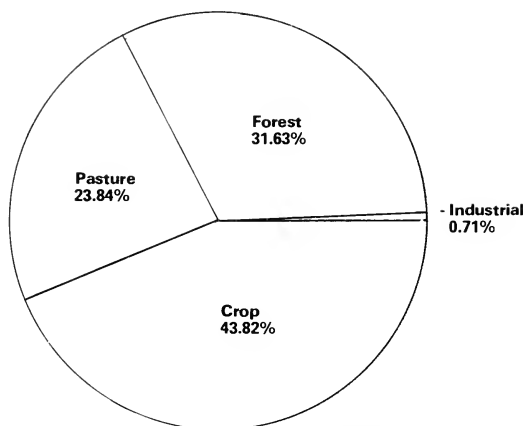
Importance of issuing permits and holding surety bonds for refuse disposal areas is that this is an effective means of assuring that solid waste materials are not discarded in such manner as to be environmentally deleterious. Surety bonds are held until active disposal ceases and proper land reclamation measures have been completed.

### **PRE-PERMIT LAND USE PATTERN**

Appendix Table D and E are similar except that Table D pertains to lands on which surface mining permits were issued during 1977 and Table E involves areas to be affected by refuse disposal.

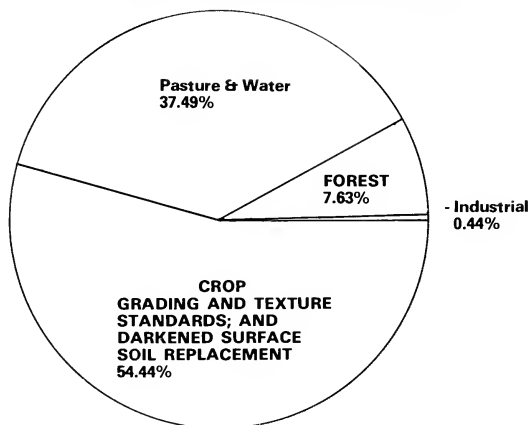
Table D shows type of land use which has been experienced during the five-year period preceding permit issuance. Data of this type has been available only since 1972. To provide some indication of possible annual trend, data on the following chart shows past land use category for permits issued each year since 1972.

**FIGURE 2**  
**MINING PERMIT LANDS\***



ABOVE: LAND USES **BEFORE** MINING

BELOW: POTENTIAL LAND USE **AFTER** MINING





Year Permit Issued	Percent of Land Used As—			
	Crop	Pasture	Forest	Industrial
1972	60.50	17.02	21.20	1.27
1973	51.02	28.88	20.02	0.08
1974	49.21	21.53	28.98	0.28
1975	53.28	15.03	30.76	0.93
1976	52.47	16.78	30.52	0.21
1977	43.82	23.84	31.63	0.71
Six year average	51.72	20.51	27.19	0.58

The above chart shows that, since the SMLC&R Act began in 1972, the lands being affected by surface mining, by odds slightly greater than 50% chance, tend to be cropland. In a given year, about half the land affected by surface mining is apt to be cropland; about one-fifth is pasture, and slightly greater than one-fourth is forest land. Classification here is based on land use during the five-year period preceding surface mining.

It is now possible, from the above chart, to observe if this year's figures are typical or atypical. Perhaps some discussion by land use category would be of interest to some.

For cropland, 1977 was the lowest proportion experienced thus far with 43.82% of permitted acreage. The highest proportion of crop acreage to be mined was in 1972 with 60.50%. Thus far, crop acreage, as a proportion of total permitted acreage, has varied as much as 16.68%.

Pasture acreage being affected by surface mining was above average during 1977. Average year shows 20.51% and 1977 proportion was 23.84%. The highest pasture acreage proportion occurred in 1973 with 28.88% of total acreage and the lowest year was 1975 with 15.03%.

Forest land use seems to be the most consistent of the major land use categories to be affected by surface mining. During 1977, 31.63%, the highest proportion experienced thus far, of acreage permitted was forest land. Average year forest composition is 27.19%.

Thus, 1977 experienced the lowest proportion of crop acreage to be mined and also the highest forest acreage to be mined.

By comparing Appendix Table D with Appendix Tables A and J, one can evaluate and quantify whatever net changes, if any, might be expected, as a result of surface mining, regarding land use or land use capability. Figure 2 provides some added illustration for further clarity.

Appendix Table E presents data similar to that just discussed except that here we are dealing only with lands on which refuse

disposal is to occur. Added dimension, affecting land uses prior to refuse disposal, commonly involves lands previously affected by coal surface mining. As a result, two initial categories in Appendix Table E pertain to whether previous surface mining has or has not occurred on that land.

Use of previously surface mined land, especially where inclines and pits are involved, seems to serve as a very fortunate circumstance for those areas. Generally, we start out with a large hole in the earth and, after filling the hole followed by proper reclamation, land with greater useability results. Added benefit from such is the fact that availability of such sites makes it unnecessary to affect equal or greater acreage of non-affected and possibly highly productive land.

Bulk of acreage to be affected by refuse disposal under 1977 permits happens to be lands not previously mined; whereas, in 1976, over half the acreage permitted for refuse disposal involved previously mined land.

Mine operators routinely seem to use previously mined lands for refuse disposal whenever a choice exists. One should bear in mind; however, whenever a new mine is being developed — some of which occurred during 1977, there generally is no previously mined land around and all disturbance thus will be new disturbance on unmined land.

### **ASSESSED VALUATION AND OWNERSHIP OF LANDS BEING SURFACE MINED**

Surface mining permit applicants are required to submit, on the permit application, information about land ownership and assessed valuation for areas to be surface mined. For permits issued during 1977, such data is summarized in Appendix Table F.

In the 1976 Annual Report, it was stated that the \$150 per acre category is apparently a significant dividing line because, for several years, about 60% or more of acreage to be mined falls into that category. In 1976, the proportion was 65.9%. Thus, it seems noteworthy that, in 1977, only 41.28% of total permit acreage was assessed at less than \$150 per acre. For this year, at least, the dividing line worthy of note seems to have shifted to the less than \$200 per acre category. Over 94% of permit acreage is assessed at below \$200 per acre; however, 52.73% of permit acreage is in the \$150 to \$199 per acre category. (Appendix Table F)

One can notice, by the way numbers are arrayed on Appendix Table F, something about the pattern of assessed valuations per acre. Probably coal and limestone are the only two minerals for which there are enough permits issued during 1977 to present

some chance of displaying a significant pattern of occurrence, from the array of numbers on Appendix Table F.

Land ownership also is indicated on Appendix Table F. Comparable tables from previous annual reports show that about three-fourths of the coal mining is done on corporate land ownership. In 1976, the actual figure was 78% and in 1977, 87% of coal permit acreage was corporate ownership.

There has been some common speculation that, especially for coal mining properties, higher land reclamation standards being practiced, which brings about reclaimed lands of greater value, may affect traditional land ownership patterns. It is reasoned that land owners might prefer to lease their land for mining under terms where they will regain control following mining so that benefits of better land reclamation will accrue to them. However, the evidence available suggests the opposite might be occurring. The following list shows proportion of coal permit acreage on corporate land ownership, by permit year:

Permit Year	% of Coal Permit Acreage on Corporate Land Ownership
1972	75
1973	76
1974	77
1975	72
1976	78
1977	87

Note that, on the above listing, there is the appearance of a trend with proportion of corporate land ownership increasing with time and, out of six years, the only year not conforming to the trend is 1975. Interestingly, the non-conforming year, 1975 also happens to be the lowest figure of those listed.

If one were to propound a theory about significance of the above data, it might involve the possibility that coal operators wish, of their own volition, to own the land they surface mine, by purchase rather than lease. Since costly land reclamation must be done regardless of land ownership and reclamation cost is actually a production cost (after-production cost), definite advantage and probable profitability seemingly is at hand. Throwing in the usual inflation factor into the formula, one could make a case for a scenerio whereby citizenry at large, acting through the legislature, force coal operators to improve their own land by reclaiming it and pay for such out of cost passed through to the same citizenry (electric power customers who consume the coal) who brought on

the demand for land reclamation laws. One cannot help wondering if the subject citizenry voluntarily intended to be as altruistic as the scenerio suggests.

### **SURETY BONDS**

Appendix Table G shows the Illinois LRD was holding \$82,325,447 in surety bonds at the end of December, in 1977. Also being held was \$2,587,972 in surety bonds for refuse disposal permits. The two figures combined equal \$84,913,419 in surety bonds being held for all permits.

There is no effort made to accumulate and show data for surety bonds released in a given year. Appendix Table G shows bonds held, acres, and number of bonds received during 1977. Also shown, is bonds held for previous permits. By subtracting Figures in the Table G from the 1976 Annual Report, one can determine amount of bond releases during the year.

Contrasting further with Appendix Table G from the 1976 Annual Report, 52 mining permit bonds and 11 refuse permit bonds were received during 1977. This was a significant decrease from the 95 surface mining bonds and 17 refuse bonds received during 1976. The "acres under bond" column in Table G refers only to acres permitted during 1977.

For all minerals, average surety bond per acre, for surface mining permits issued during 1977, was \$3,311. This was lower than the \$3,567 per acre average figure for coal permit surety bonds. Contrasting figures during 1976 were \$2,935 and \$3,037 per acre respectively.

It is probable that inflation was a factor in 1977 increased surety bond rates. A hidden but very important factor involves type of reclamation planned for permitted acres. In general, row cropland reclamation costs more than other land use categories; however, techniques to be used also are important. For example, a shovel operation, where all root medium must be hauled by scrapers, will experience significantly higher reclamation cost and hence higher bond rate, contrasted with a mining wheel and shovel combination where root medium materials are transported by direct cast method.

### **SURFACE MINING TECHNIQUE**

Records for the past six years show that surface mining techniques have not changed — at least, statistical change does not seem to have occurred. Appendix Table H summarizes acreage by mining technique employed.

The problem with Appendix Table H is that only 1977 permit issuance acres are involved and one should not presume these acres are typical of the whole state surface mining picture.

In the past six years, there has been only one year (1977) during which over one-half of all surface mining acres permitted was by a single technique of mining and this involved the dragline system (53% of acreage to be affected). Four out of the last six years found the dragline system as the single most important technique. During 1973, the wheel and shovel system was the leading technique, comprising over 32%. In 1976, the leading surface mining technique was the shovel, where about 34% of total acreage permitted was involved.

The fact that the dragline system was the most important during 1977 is very much in harmony with the fact that, at the present time and in recent years, all new surface mining machines seem to be draglines (including major coal surface mines).

Second most important mining technique, during 1977, was the wheel and shovel combination, comprising 27.4% of total permitted acreage. The shovel system comprised only 8.7% and barely exceeded the dozer and scraper systems which comprised 8.3% of total 1977 permitted acreage.

Despite the fact that basic mining technique has not changed in recent years, in terms of statistical reporting, certain surface mining methodology was changed very dramatically during 1976 (see figures 3, 4, 5 and 6). On areas to be reclaimed for row cropland under Rule 1104, one can observe scrapers working out ahead of other mining activity recovering darkened surface soil and placing such in stockpile areas. These soil stockpile areas are new topographic land features that help serve to identify mines involved with row cropland reclamation.

Another new activity that one can observe now, at certain times, is a number of people working out on leveled spoil area which appears to be a group of vandals digging holes in the landscape with a backhoe. In reality, what these people are doing is making a survey of the upper four foot layer of soil to verify soil texture compliance before darkened surface soil layer is applied.

In the case of mines that operate only with a shovel, as shown in Appendix Table H, if the mine happens to be involved with Rule 1104 land reclamation, it is probably unavoidable for such mine to use scrapers to haul and replace not only darkened surface layer but the balance of four foot root medium layer also. These practices are but some of the ramifications of the 1975 amended act, affecting surface mining techniques.

## OVERBURDEN DEPTH

Appendix Table I shows overburden depth data including permits issued during 1977. Attention is directed at the fact that data for overburden depths presented is not necessarily precisely surveyed and calculated data. Rather, these are numbers furnished by permit applicants based on their own estimates of average overburden thickness. Because of this limited statistical accuracy feature, over-all long term trend should be discernable; whereas, minor, annual variations conceivably could be accounted for by survey procedural errors. Because 1977 was an atypical year in many respects, as previously explained, that factor too affects annual statistical implication for this year.

With regard to coal permit acreage, Appendix Table I is most revealing when contrasted with the same table in previous year's annual reports. The following list shows some coal overburden depth data, going back to 1972, for two depth categories:

Year	Percent of Total Acreage	
	26' - 75' Depth	76' - 100' Depth
1972	85.3	12.1
1973	73.1	26.8
1974	81.0	18.5
1975	69.9	29.4
1976	64.2	35.6
1977	7.3	89.1

It was stated in the 1976 Annual Report that the decrease being experienced in the 26 to 75 foot depth category seems to be shifting to the 76 to 100 foot depth category. The above data shows more strongly that this trend does, in fact, seem to be continuing.

Every year since 1972, the coal overburden depth category with the highest percentage of total permit acres was the 51 to 75 foot depth category, until 1977. In 1977, there was 89.1% in the 76 to 100 foot depth category and this category now is the leading category for the first time.

## MISCELLANEOUS ACTIVITIES

Routine procedure for any organization — the Illinois Land Reclamation Division included, is to plan working staff size based on physical requirements to perform required duties. Only those duties that are permanent duties normally are thought to justify

staffing. If procedures that are developed to administer and carry out assigned tasks were allowed to remain fixed, the described system should work smoothly and staff size would need to change only as a reflection of significant increases or decreases in surface mining activity; that is, more mines developed would call for more inspectors.

Recent history shows that the LRD has not been able to develop a fixed program and then merely operate under that system. The 1971 law change required an entirely new record keeping system; new forms and applications; and new communication system because of enlarged and decentralized staff development. About the time that the complexities of the system were well understood and working smoothly, the 1975 amended law came about. The entire year following became a period of continuously "sitting next to the pressure cooker," apprehensive about the lid blowing off, continuously struggling to assign and reassign work priority to different chores all of which could not wait and had to be done. Somehow or other, new rules were promulgated, after the necessary hearings were held, and the needed new forms and new, more complex and more detailed work procedures were developed and no one had to be told permits were being delayed until procedures for issuance could be prepared — mining continued as usual, in fact, permit issuance increased.

Comes now 1977, and the Illinois LRD people are struggling to hide the look of pride and self-confidence at having "survived" the preceding year, and nothing less than the federal Surface Mining Control and Reclamation Act is signed on August 3, 1977. Somehow or other, the same few people, whose work schedules are already full, must manage to learn a whole new, complex law and develop a procedure to put it into effect. At this point, it seems fair to wonder if it may not be necessary to establish a planning staff which, if recent history is a fair indication, can be expected to become permanently needed.

### **LAND USE — CAPABILITY — CONTRASTING BEFORE AND AFTER MINING**

This is the second year for which information in Appendix Table J has been available. Though it is good to have information for more than one year, readers are cautioned against inferring any possible trends which might be suggested from comparing Appendix Table J with the same table in the 1976 Annual Report. If any changes are noted between 1976 and 1977, whether that is merely an annual variation, or whether this change signals a trend,

will not be known until later data becomes available.

Across the bottom of Table J, percentage figures are entered for statewide coal mining permit acres. Interested persons wishing to make comparable calculations for a given county need only to apportion county permit acres from column 1 into percentages comprised in component columns. Note that columns 3 through 6 total 100% and columns 7 through 14 also total 100%.

Contrasting 1976 with 1977 data, it appears that land use capability was a little better on lands permitted during 1976 than that permitted during 1977. From 1976 to 1977, permitted acres of class 1, 2 and 3 land with A and B slopes decreased from 61% to 54%. Acreage utilized for crop production during the past five years preceding surface coal mining changed from 53% to 40% between 1976 and 1977 permitted acres.

One of the more important statistical comparisons in Table J involves contrasting columns 4 and 5 with columns 7 and 8. A total of 67.56% of permitted acres involves land that is class 1, 2 or 3 and thus within the limits of row crop agriculture land suitability. However, class 1, 2 and 3 lands with A and B slopes (5% slope or less) comprise 54% of permitted acres. To learn what will happen to these row-cropland-suitable acres, following surface coal mining activity, column 7 shows 54% will be reclaimed under Rule 1104 standards and, in column 8, an additional 6% will be reclaimed to row cropland criteria meeting soil texture requirements and those lands will thus be tillable; however, darkened surface soil will not be replaced. This is as per present policy involving Class C slope (5% to 10%) lands, where special erosion control measures are needed.

Similar calculations, of course, can be performed to ascertain cropland reclamation trends in individual counties.

It might be of interest to point out that, in 1976, 51% of permitted acres are to be reclaimed as per Rule 1104 and, in 1977, this figure has changed slightly to 55%.

Label of Appendix Table J showing acreage-proposed reclamation is slightly misleading because reclamation land use is implied. The table is appropriate for columns 9 through 14; however, it is not quite correct for columns 7 and 8. Some of the acreage in column 7 and 8 may be actually reclaimed to row crops; however, much of it will not. The intent here is to indicate land use suitability and capability with actual land use practice such as, for example, hay or pasture use on row cropland area, not indicated but known to be a common practice. To date, acreage of reclaimed surface-mined land growing actual row crops has not been large (figures not actually known), albeit a fact that



reclaimed land acreage suitable for row-crop production in Illinois is beginning to reach significant numbers.

Column 9 shows 13% of 1977 permitted acres will be reclaimed for pasture land use. This is a surprisingly low figure when considering the fact that pasture reclamation, as shown in previous annual reports, previously was the major land use choice in Illinois land reclamation practice.

Column 10 reflects efforts to account for slope exception area acres. Outside slopes, pit entrance road slopes, and final cut spoil slopes are exempted from conforming to slope criteria for either pasture, forest, or row cropland areas. Efforts to quantify these areas began just in recent years and 1977 data appear now for just the second year, in column 10. Column 10 figure dropped from 16% in 1976 to only 6% this year.

Columns 11 through 14 in Appendix J are probably self-explanatory. The biggest change involves one large wildlife area to be developed by one operator in Saline County. There were no wildlife areas planned in 1976.

FIGURE 3



*First step of surface mining on row croplands; checking depth of dark surface soil removal. Arrow shows location of dark surface soil stockpile.*

FIGURE 4



*Reclaimed, row-crop, strip-mined land; checking depth of dark soil replacement and root development of corn crop.*

Photo courtesy of Midland Coal Company

FIGURE 5



*Surface mining completed and new soybean crop developing on this Randolph County area. This land was mined and reclaimed as per the 1975 amended SMLC&R Act. Note the absence of past mining evidence.*

Photo courtesy of Peabody Coal Company

FIGURE 6



*Randolph County corn crop growing on surface-mined land reclaimed as per row-crop standards of the 1975 amended SMLC&R Act. Note the absence of past mining evidence.*

Photo courtesy of Peabody Coal Company

## APPENDIX

NOTE: Appendix tables concerning surface mining permit acreage involve data about permits issued between July 1, 1977, through December 31, 1977.

Appendix Table B and tables concerning refuse disposal permit acreage involve data about acreage permitted between January 1, 1977, through December 31, 1977.

All appendix tables pertain to the Surface-Mined Land Conservation and Reclamation Act as amended by House Bill 1277.

**TABLE A**  
**SUMMARY OF APPROVED PERMIT RECLAMATION PLANS ON ACREAGE TO BE MINED**

Product	GRADING & TEXTURE				LAND USE							
	Approximate Original Grade		Maximum Grade of 15%	Maximum Grade of 30%	Misc.	TOTAL	Agriculture	Recreation	Wild-life	Forest	Industrial	TOTAL
	With Rock Limitations	Darkened Surface Soiling With Rock Limitations										
Coal Limestone Clay & Shale Silica Sand Sand & Gravel	227.70	2,096.99	645.54	798.07	15.70	3,784.00	3,217.60	18.00	289.00	261.70	15.70	3,784.00
	.....	.....	247.50	71.30	3.00	321.80	247.50	.....	7.30	46.00	3.00	321.80
	.....	.....	.....	8.25	.....	8.25	.....	.....	.....	8.25	.....	8.25
	.....	.....	18.00	10.00	.....	28.00	18.00	.....	.....	10.00	.....	28.00
	.....	.....	78.60	49.10	.....	127.70	78.60	49.10	.....	.....	.....	127.70
TOTALS	227.70	2,096.99	989.64	936.72	18.70	4,269.75	3,561.70	67.10	296.30	325.95	18.70	4,269.75
PERCENT	5.33	49.11	23.18	21.94	0.44	100.00	83.42	1.57	6.94	7.63	0.44	100.00

**TABLE B**  
**PUBLIC HEARINGS REQUESTED BY**  
**COUNTY BOARDS AND RECLAMATION PLANS REJECTED**

Product	County	No. of Public Hearings Held	No. of Reclamation Plans Rejected
Coal	Fulton	7	...
	Jackson	1	1
	Knox	2	...
	Marion	...	1
	Saline	...	1
	Vermilion	1	...
	Williamson	...	2
TOTAL		11	5

**TABLE C**  
**SUMMARY OF APPROVED RECLAMATION PLANS**  
**ON REFUSE DISPOSAL PERMIT ACREAGE**

Product	Type of Refuse	RECLAMATION TYPE			TOTALS
		Cropland Rule 1104	Pasture	Non-Vegetation	
Coal	Gob	7.00	15.00	...	22.00
	Slurry	...	...	467.00	467.00
TOTAL COAL REFUSE		7.00	15.00	467.00	489.00
Limestone	None	...	...	...	...
Clay & Shale	Slurry	...	77.00	5.50	82.50
Silica Sand	Slurry	...	...	1.10	1.10
Sand & Gravel	None	...	...	...	...
TOTALS		7.00	92.00	473.60	572.60

**TABLE D**  
**MINING PERMIT LANDS—SUMMARY OF LAND**  
**USES DURING PRECEDING FIVE-YEAR PERIOD**

Product	Crop	Pasture	Forest	Industrial	TOTALS
Coal	1,512.80	999.00	1,263.20	9.00	3,784.00
Limestone	233.50	17.00	62.30	9.00	321.80
Clay & Shale	...	...	...	8.25	8.25
Silica Sand	16.00	...	8.00	4.00	28.00
Sand & Gravel	108.70	2.00	17.00	...	127.70
TOTALS	1,871.00	1,018.00	1,350.50	30.25	4,269.75
PERCENT	43.82	23.84	31.63	0.71	100.00

**TABLE E**  
**REFUSE PERMIT LANDS - SUMMARY OF LAND USES DURING PRECEDING FIVE-YEAR PERIOD**

Product	Type of Refuse	Land Has Not Been Surface Mined				Land Has Been Surface Mined		
		Crops	Pasture	Forest	TOTAL	Inclines & Pits	Forest	TOTAL
Coal	Gob. . . . . Slurry . . . . .	7.00 25.00	. . . . . 41.00	. . . . . 315.00	7.00 381.00	15.00 60.00	. . . . . 26.00	15.00 86.00
TOTAL COAL REFUSE		32.00	41.00	315.00	388.00	75.00	26.00	101.00
Limestone, Clay & Shale Silica Sand Sand & Gravel	None . . . . . Slurry . . . . . Slurry . . . . . None . . . . .	. . . . . . . . . . . . . . . . . . . .	. . . . . . . . . . . . . . . . . . . .	. . . . . 77.00 . . . . . . . . . .	. . . . . 77.00 . . . . . . . . . .	. . . . . 5.50 1.10 . . . . .	. . . . . . . . . . . . . . . . . . . .	. . . . . 5.50 1.10 . . . . .
TOTAL		32.00	41.00	392.00	465.00	81.60	26.00	107.60

**TABLE F**  
**ASSESSED VALUATION PER ACRE, BY OWNERSHIP, FOR MINE PERMIT ACREAGE**

Product	Surface Ownership	DOLLARS PER ACRE												Total Ownership Acres
		1-49	50-99	100-149	150-199	200-249	250-299	300-349	350-399	400-499	500-599	600 to 1000		
Coal	Individual Company	31.00	176.00 1,367.00	37.40 19.00	231.32 1,910.28			9.00			3.00		487.72 3,296.28	
TOTAL		31.00	1,543.00	56.40	2,141.60			9.00			3.00		3,784.00	
Limestone	Individual Company	33.30	64.00 19.00	2.00	60.50	10.00 123.00						10.00	169.80 152.00	
TOTAL		33.30	83.00	2.00	60.50	133.00						10.00	321.80	
Clay & Shale	Individual Company						8.25						8.25	
TOTAL							8.25						8.25	
Silica Sand	Individual Company			4.00		10.00	14.00						14.00 14.00	
TOTAL				4.00		10.00	14.00						28.00	
Sand & Gravel	Individual Company	10.00			49.10					68.60			59.10 68.60	
TOTAL		10.00			49.10					68.60			127.70	
GRAND TOTAL ACRES		74.30	1,626.00	62.40	2,251.20	143.00	22.25	9.00		68.60	3.00	10.00	4,269.75	
Percent of Total (All Products)		1.74	38.08	1.46	52.73	3.35	0.52	0.21		1.61	0.07	0.23	100.00	





**TABLE H**  
**ACREAGE BEING MINED SUMMARIZED BY TECHNIQUE**  
**EMPLOYED AND MINERAL PRODUCT**

Product	Dozer & Scraper	Dragline	Shovel	Dragline & Shovel	Wheel & Shovel	Misc. *1
Coal .....	38.00	2,109.00	370.00	.....	1,170.00	97.00
Limestone .....	166.50	155.30	.....	.....	.....	.....
Clay & Shale .....	.....	.....	.....	.....	.....	8.25
Silica Sand .....	24.00	.....	.....	.....	.....	4.00
Sand & Gravel .....	124.70	3.00	.....	.....	.....	.....
TOTALS .....	353.20	2,267.30	370.00	.....	1,170.00	109.25

\*1 Acreage Permitted for a specific use (haulage roads, drainage ditches, etc.)

**TABLE I**  
**SUMMARY OF MINING OVERBURDEN DEPTH**  
**CATEGORY BY MINERAL PRODUCT**

Product	0-10 Ft.	11-25 Ft.	26-50 Ft.	51-75 Ft.	76-100 Ft.	Misc. *1
Coal .....	.....	37.00	190.00	89.00	3,371.00	97.00
Limestone .....	4.00	112.80	205.00	.....	.....	.....
Clay & Shale .....	.....	.....	.....	.....	.....	8.25
Silica Sand .....	.....	.....	24.00	.....	.....	4.00
Sand & Gravel .....	49.10	74.60	4.00	.....	.....	.....
TOTALS .....	53.10	224.40	423.00	89.00	3,371.00	109.25

\*1 Acreage Permitted for a specific use (haulage roads, drainage ditches, etc.)

**TABLE J**  
**LAND USE AND USE CAPABILITY, CONTRASTING BEFORE AND AFTER MINING FOR COAL, BY COUNTY**

County	Soil Capability Classes					Acreage - Proposed Reclamation								Indus- trial
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Permit Acreage	Acreage Utilized for Crop Production Past 5 Years	Acreage Not Class 1, 2, or 3	Acreage A & B Slopes Class 1, 2, & 3	Acreage Class 1, 2, & 3	Acreage Not Mapped for Soils	Cropland Rule 1104	Cropland Texture	Pasture Max. Grade 15%	Pasture Grade Greater than 15%	Water Impound- ments	Forest	Wild- life	
Jackson	2 00	2 00		2 00	2 00									
Perry	2,134 00	1,222 00	422 44	1,332 28	1,633 68	77 88	1,546 69	103 00	98 31	168 00	2 00	122 00		11 00
Randolph	45 00		45 00						35 00		84 00	10 00		
Saline	1,019 00	223 00	469 30	456 58	549 70		348 00	85 00	168 00	7 40	50 60	71 00	289 00	
Vernilion	19 00	14 80	2 88	16 12	16 12		13 00							
Williamson	565 00	51 00	210 16	238 60	354 84		183 30	39 70	192 04	71 97	14 59	58 70		4 70
TOTALS	3,784 00	1,512 80	1,149 78	2,045 58	2,556 34	77 88	2,096 99	227 70	494 35	247 37	151 19	261 70	289 00	15 70
Percent of Permit														
Acreage	100 00	39 98	30 38	54 06	67 56	2 06	55 42	6 02	13 06	6 53	4 00	6 92	7 64	0 41













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**THE MOST ACTIVE OPERATORS IN ILLINOIS DURING  
1977 ON THE BASIS OF OIL PERMITS ISSUED**

- FIRST: C. E. Brehm d/b/a C. E. Brehm Drilling & Producing, 1318 Salem Road, P. O. Drawer 648, Mt. Vernon, Illinois 62864
- SECOND: RK Petroleum Corporation, P. O. Box 192, Mt. Carmel, Illinois 62863
- THIRD: Van Fossan Oil Associates, 400 N. Bluff, P. O. Box 472, Collinsville, Illinois 62234
- FOURTH: Fletcher F. Farrar, P. O. Box 747, Mt. Vernon, Illinois 62864
- FIFTH: Texaco Inc., P. O. Box 2420, Tulsa, Oklahoma 74102
- SIXTH: Perry Fulk, P. O. Drawer "K", Olney, Illinois 62450
- SEVENTH: Louis H. Kapp, Jr., 18 Carnation Drive, Belleville, Illinois 62221
- EIGHTH: Hocking Oil Company, Inc., Route 2, Box 162, Mt. Carmel, Illinois 62863
- NINTH: Tri-State Producing, Inc., P. O. Box 3245, Springfield, Illinois 62708
- TENTH: Duke Resources Corporation, P. O. Box 291, Carmi, Illinois 62821

## DEPARTMENT OF MINES AND MINERALS

### DIVISION OF OIL AND GAS

#### PETROLEUM ENGINEER

**GEORGE R. LANE**, Springfield, Ill. ..... Office Telephone 217-782-7756  
Home address — 100 Andover Drive ..... Home Telephone 217-546-1100

#### WELL INSPECTORS

**BLCHITZL**, Hwyn, Bell Rive 62810 ..... 618-756-2291 Jefferson, Washington  
618-224-1273 (Alt)

**BRACKETT**, Bobby D., P. O. Box 226, Robinson 62454 ..... 618-592-3146 Crawford

**BRADLEY**, Edward A., Junction 62954 ..... 618-272-7134 (Off) Gallatin, Hardin, Massac,  
618-269-3444 (Res) Pope (Alexander, Johnson,  
Pulaski, Union-Temp.)

**CLIFTON**, Everett Riley, R. R. 1, 3500 Grant St., Mattoon 61938 ..... 217-235-3672 (or) Champaign, Clark, Coles,  
217-235-5691 Douglas, Edgar, Moultrie,  
Piatt, Vermilion

**GARMAN**, Harold A., 205 N. 7th, Albion 62806 ..... 618-445-3146 Edwards, Richland

**GIBSON**, Harold G., R. R. 1, Blue Mound 62513 ..... 217-692-2671 Christian, DeWitt, Logan,  
McLean, Macon, Sangamon

**HIBNER**, Raymond, R. R. 1, Elwood ..... 815-423-5336 Cook, DuPage, Ford, Grundy,  
Iroquois, Kankakee, Kendall,  
Livingston, Will

**KIRK**, Charles R., 216 Park Lane, Carmi 62821 ..... 618-384-5781 White

**LEWIS**, William R., 806 E. McKinley St., Harvard 60033 ..... 815-943-4566 (Res) Boone, DeKalb, Kane, Lake  
815-943-6468 (Off) McHenry, Winnebago

**LITTL**, C. Roland, R. R. 4, Salem 62881 ..... 618-548-5908 Marion

**MARTIN**, Tom L., 1304 E. St. Louis, West Frankfort 62896 ..... 618-937-1200 Franklin, Jackson, Perry,  
Williamson

**NEWMAN**, William T., R. R. 1, Gillespie 62033 ..... 217-839-2785 Greene, Jersey, Macoupin,  
Montgomery (Bond, Clinton,  
Madison, Monroe, Randolph,  
St. Clair-Temp.)

**PERIMMLER**, Charles, New Canton 62356 ..... 217-426-2541 Adams, Brown, Calhoun, Cass,  
Fulton, Hancock, McDonough,  
Mason, Menard, Morgan, Pike,  
Schuyler, Scott, Tazewell,  
Woodford

**PRINCE**, Floyd A., P. O. Box 263, McLeansboro 62859 ..... 618-643-2678 Hamilton, Saline

**SORK**, Marshall, R. R. 4, Fairfield 62837 ..... 618-842-2085 Wayne

**SPOND**, Cleo, R. R. 3, Mt. Carmel 62863 ..... 618-262-7694 Wabash  
(Lawrence-Plugging only)

**WIRTH**, Edward L., R. R. 1, Wyand 61379 ..... 815-699-7012 Bureau, Carroll, Henderson,  
Henry, Jodavies, Knox, LaSalle,  
Lee, Marshall, Mercer, Ogle,  
Peoria, Putnam, Rock Island,  
Stark, Stephenson, Warren,  
Whiteside

**WISLEY**, Harold M., 205 W. Eighth St., St. Elmo 62458 ..... 618-829-9759 Ettingham, Fayette, Shelby

#### FIELD SUPERVISOR

**RITSCHL**, Marion, R. R. 1, West Liberty 62475 ..... 618-754-3371 Clay, Jasper  
618-395-2952 (Alt)

#### POLLUTION CONTROL OFFICERS

**STURM**, Lenard R., 312 W. Commerce, Grayville 62844 ..... 618-375-5561

**WARNER**, I. Irettt, R. R. 3, Lawrenceville 62439 ..... 618-943-4042 (or) Lawrence (Crawford 5N & 6N  
618-943-5430 Inspection only)

#### ADMINISTRATIVE ASSISTANT

**HADY**, Marion, Box 1, Newton 62448 ..... 618-783-3046 Cumberland

## DIVISION OF OIL AND GAS

The Division of Oil and Gas of the Department of Mines and Minerals is required to enforce the provisions of "An Act in Relation to Oil, Gas, Coal and Other Surface and Underground Resources," and the Rules and Regulations formulated pursuant to the provisions of the Act.

It is the duty of the Division to see that oil wells are properly spaced; to control the drilling and plugging of oil wells and wells drilled in connection therewith; to see that necessary precautions are observed to protect the workable coal seams through which wells are drilled and to prevent pollution of land and fresh water supplies resulting from oil field operations.

Permits must be obtained from the Division of Oil and Gas before wells are drilled for oil, gas, watersupply, water input, gas input, air input, salt water disposal, and structure test. In 1977, 1,751 such permits were issued. The Law requires that for each well drilled or acquired, the operator must furnish the Division with bond coverage to guarantee the eventual plugging of the well with the satisfactory restoration of the well site. The State oil well inspectors are in attendance to supervise the plugging of all abandoned drill holes, which in 1977 numbered 795.

The Division furnishes copies of permits and plugging affidavits to the State Geological Survey, and is charged with the responsibility to seeing that well logs and cuttings are sent to the Survey. The Division also receives and records completion data on wells drilled.

The Rules and Regulations of the Division provide for the calling of public hearings, upon written request of any interested person, for the purpose of taking action with regard to any matter within the jurisdiction of the Department. All such hearings are made of record in the Division and are open to public inspection.

The Oil and Gas Board consists of four members and the Director of the Department, and is subject to call by the Mining Board for advice and consultation on matters pertaining to the oil and gas industry.





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# SUMMARY BY COUNTIES OF THE NUMBER OF WATER WELL PERMITS ISSUED DURING 1977

Adams .....	127	Hardin .....	16	Morgan .....	86
Alexander .....	14	Henderson .....	47	Moultrie .....	18
Bond .....	102	Henry .....	163	Ogle .....	188
Boone .....	196	Iroquois .....	56	Peoria .....	398
Brown .....	11	Jackson .....	62	Perry .....	33
Bureau .....	117	Jasper .....	69	Platt .....	47
Calhoun .....	29	Jefferson .....	31	Pike .....	51
Carroll .....	63	Jersey .....	11	Pope .....	3
Cass .....	32	JoDavies .....	92	Pulaski .....	41
Champaign .....	140	Johnson .....	14	Putnam .....	26
Christian .....	71	Kane .....	914	Randolph .....	99
Clark .....	64	Kankakee .....	167	Richland .....	71
Clay .....	94	Kendall .....	153	Rock Island .....	137
Clinton .....	120	Knox .....	102	St. Clair .....	169
Coles .....	75	Lake .....	1,132	Saline .....	6
Cook .....	537	LaSalle .....	209	Sangamon .....	321
Crawford .....	52	Lawrence .....	36	Schuyler .....	32
Cumberland .....	45	Lee .....	142	Scott .....	33
DeKalb .....	132	Livingston .....	68	Shelby .....	99
DeWitt .....	26	Logan .....	31	Stark .....	28
Douglas .....	27	McDonough .....	81	Stephenson .....	143
DuPage .....	641	McHenry .....	1,257	Tazewell .....	230
Edgar .....	79	McLean .....	59	Union .....	39
Edwards .....	20	Macon .....	58	Vermilion .....	121
Effingham .....	172	Macoupin .....	89	Wabash .....	27
Fayette .....	128	Madison .....	228	Warren .....	53
Ford .....	34	Marion .....	85	Washington .....	51
Franklin .....	26	Marshall .....	30	Wayne .....	65
Fulton .....	133	Mason .....	114	White .....	50
Gallatin .....	16	Massac .....	40	Whiteside .....	168
Greene .....	44	Menard .....	84	Will .....	1,049
Grundy .....	153	Mercer .....	71	Williamson .....	4
Hamilton .....	15	Monroe .....	97	Winneshago .....	933
Hancock .....	72	Montgomery .....	99	Woodford .....	109

TOTAL ..... 14,442

# SALT WATER & WASTE DISPOSAL (PERMITS ISSUED IN 1977)

OPERATOR	WELL (* = Converted well)	LOCATION	FORMATION	ELEV
<b>BOND COUNTY</b>				
Dolphin Operating Co., Inc.	*Neumann-Parker-Vosholler Unit #1	330°S 330°W NEc SE Sec. 11 4N 4W	Salem 1366' 1530'	G.L. 467'
Goose Creek Oil Co., Inc.	*Nilson #3A	330°S 380°W NEc SE Sec. 9 6N 2W	Trenton 3198' 3223'	G.L. 679.5'
<b>CLARK COUNTY</b>				
Southern Triangle Oil Co.	Marshall Hill #1 SWD	200°N 227°E SWc SE Sec. 19 10N 13W	Salem 700' 800'	G.L. 596'
Southern Triangle Oil Co.	*Marshall Hill #1 SWD	338°N 330°E SWc SE Sec. 19 10N 13W	Devonian 1600' 1800'	G.L. 596'
d' b' a Fear and Duncan	*Auld #4	330°N 330°W SEc NW Sec. 30 10N 13W	Carper 1336' 1402'	G.L. 588.4'
Gene Duncan & Herbert E. Fear	*Atkins #1	330°S 330°W NEc NW SE Sec. 30 10N 13W	Carper 1336' 1415'	G.L. 599'
Gene Duncan & Herbert E. Fear	*Rudolph Tomasing #2 A	330°N 330°W SEc NE NW Sec. 31 10N 13W	Devonian 1563' 1590'	G.L. 593'
d' b' a Fear and Duncan	Beiva Turner SWD #1	660°S 660°E NWc NE NW Sec. 4 11N 14W	Devonian 1300' 1400'	G.L. 645'
M. C. Milam				
Jack H. Mankin				
<b>CLAY COUNTY</b>				
Robert E. Trimpe	*Conley Heirs #4 SWD	330°N 330°W SEc NW Sec. 13 4N 7E	Penn. 1700' 1900'	G.L. 466'
Shelby A. & Sylvia Britton	*Lowell Hagen #4	330°S 330°E NWc NE NE Sec. 27 4N 7E	Cypress 2677' 2620'	G.L. 460'
McKinney Oil Producer, Inc.	*Dale Stanley #2 SWD	990°N 330°E SWc NW Sec. 19 4N 8E	Reclaire 2595' 2572'	G.L. 454'
Don W. Newton	*Vickery Heirs #2	330°S 330°E NWc SE Sec. 22 5N 7E	McCloskey 2586' 2567'	G.L. 504'
Don W. Newton	*Clarence Workman #2	330°N 330°E SWc NW NW Sec. 32 5N 8E	Penn. 1700' 1800'	G.L. 490'
<b>CLINTON COUNTY</b>				
Elmer Oelze, Jr.	*Leo Pfeiffer #2	330°N 980°W SEc NE Sec. 8 1N 5W	Silurian 1943' 1996'	G.L. 437'
Shell Oil Co.	*E. C. Criley #11-C	660°N 982°W SEc Sec. 35 2N 1W	Devonian 2828' 2894'	G.L. 472'
Haoh Oil Producers	Ottis Hostmeyer #3	330°S 340°W NEc SE Sec. 36 3N 4W	Paint Creek 900' 940'	G.L. 443'
<b>COLES COUNTY</b>				
Energy Producers, Inc.	*Jeffries SWD #1	330°S 330°E NWc SE NW Sec. 26 12N 7E	Cypress 1330' 1470'	D F 724'
Gilbert H. Beck	*McDivitt #2	330°N 330°E SWc SE NE Sec. 1 12N 10E	Penn. 426' 485'	G.L. 682'
<b>CRAWFORD COUNTY</b>				
Russ Randall, Inc.	E. W. Ford SWD Well #2	270°S 960°W NEc SW SW Sec. 15 5N 12W	Penn. 1100' 1200'	G.L. 548'
Russ Randall, Inc.	Hamm-Parker SWD Well #2	1580°S 1280°E NWc SW NE Sec. 15 5N 12W	Penn. 1100' 1200'	G.L. 544'
Reiter Oil Development Co.	*William K. Reinosh #1	330°N 330°W SEc Sec. 20 6N 12W	Robinson 989' 1000'	G.L. 504'

# SALT WATER & WASTE DISPOSAL (PERMITS ISSUED IN 1977)

OPERATOR	WELL (* = Converted well)	LOCATION	FORMATION	ELEV.
Laurance H. Armour, Jr. d/b/a Lamar Properties	*Shipman #2-A	330°N 330°W Sec NE SE Sec. 35 6N 13W	McClosky 1447'-1460'	G.L. 463'
Logan Oil Co.	*O. Walters #2	430°N 360°W Sec SW SE Sec. 19 7N 12W	St. Louis 1524'-1527'	G.L. 519.7'
DOUGLAS COUNTY				
Joyce I. Botts	*Kamm #1 SWD	330°N 330°W Sec NE Sec. 26 15N 7E	Penn. 576'-596'	G.L. 654.38'
EDWARDS COUNTY				
Spartan Petroleum Co.	*Knackmuhs #1-SWD	330°S 560°E NWc NE NW Sec. 27 1N 10E	Tar Springs 2650'-2670'	G.L. 459'
EFFINGHAM COUNTY				
Shelby A. & Sylvia Britton	*Clifford Bushue #1	330°N 660°W Sec SW NW Sec. 16 6N 8E	Tar Springs 2185'-2168'	G.L. 476'
FAYETTE COUNTY				
W. L. Belden	*Cornelia #2D	330°N 330°E SWc NE SE Sec. 2 8N 3E	Tar Springs 1308'-1334'	G.L. 606.7'
FRANKLIN COUNTY				
Shell Oil Co.	*Shell-CW & F Coal Co. Rice Community #1	990°S 900°W NEc NW Sec. 25 6S 2E	Aux Vases Lower O'Hara 2725'-2788'	D.E. 431'
HAMILTON COUNTY				
Juniper Petroleum Corp.	*Clark-Meneghin #48-34 SWD	330°N 330°W Sec SW Sec. 34 5S 5E	Cypress 2935'-3098'	G.L. 515'
Charles L. Fitch	*C. M. Johnson #2	330°S 330°W NEc NW Sec. 33 6S 5E	McClosky 3391'-3398'	D.F. 563'
Estate of Chris Pearson, Sr.	*Owen #4	330°N 165°W Sec NW SW Sec. 5 6S 6E	Aux Vases 3275'-3295'	G.L. 491'
Gene Duncan & Herbert E. Pear d/b/a Pear & Duncan Oil Producers	*Cox #2 SWD	330°N 330°W Sec NE SE Sec. 8 6S 6E	Benoist 3001'-3013'	G.L. 400'
JASPER COUNTY				
Payne Brothers	*Ochs #1	330°S 990°E NWc SE Sec. 24 7N 10E	Salem 2689'-2705'	G.L. 525'
Edko Oil Properties, Inc.	*Donna Fitzmaurice #1	330°S 330°E NWc NE Sec. 30 7N 11E	Cypress 2180'-2350'	G.L. 505'
JEFFERSON COUNTY				
Nick Babare, Jr.	*Frost #1	330°S 330°E NWc SW NW Sec. 26 1S 3E	Cypress 2428'-2448'	G.L. 589'
			Benoist 2586'-2606'	

Fletcher F. Farrar Albert Gentiles MARION COUNTY	Wood Unit #3 SWD *Gee #3 *Horn #1	330°N 330°W SEc NW SE Sec. 13 25 4E. 330°N 660°W SEc NE SW Sec. 6 3S 3E 330°N 330°W SEc NE Sec. 31 3N 3E	Aux Vases 291 0' - 2920' Cypress 2860 - 2840 O'Hara 2716 - 2721	G.L. 512' G.L. 460'
Medina Oil Co. SALINE COUNTY			Rosticlar 2383' - 2387' 2406' - 2408'	G.L. 555'
Petro Search Associates, Inc. Glen M. Neubert, Agent, d/b/a R & N Associates SHELBY COUNTY	*Murphy-Rapp #1 *JH Porter #1 SWD	330°N 660°E SWc NW NW Sec. 30 8S 8E 330°N 330°E SWc NW SE Sec. 23 8S 7W	Cypress 2528' - 2594' Palestine 1936' - 2000'	G.L. 372' G.L. 417'
Energy Resources of Indiana, Inc. WABASH COUNTY	*Vincent Sommer #1-SWD	330°N 330°E SWc SE SW Sec. 20 10N 1E	Devonian 2847' - 2853'	G.L. 681'
D. Lytle Dierle d/b/a Cardinal Oil Co. Nick Ring R. W. Elsie The Superior Oil Co. Hocking Oil Co., Inc. Spartan Petroleum Co. WASHINGTON COUNTY	*Grover Sanders #1 *G. D. Adams *H. Linderland #1-SWD *J. H. Zimmerman #2 *Utter "C" Lease #1-SWD *Hudgins-Husse Unit #1-SWD	330°N 330°E SWc Location 57 Sec. 7 1N 11W 330°N 330°W SEc SW Sec. 9 1N 12W 330°N 330°E SWc SE Sec. 17 1N 12W 330°N 330°E SWc NE Sec. 8 1S 12W 330°S 330°W NEc Sec. 17 1S 12W 400°N 400°W SEc SW NE Sec. 12 1S 13W	Buchanan 1244' - 1294' McClosky 2280' - 2285' Tar Springs 1550' - 1593' Biehl 1552' - 1567' Tar Springs 1720' - 1730' Cypress 2032' - 2042' Cypress 1960' - 1969' 2007 - 2015 Tar Springs 1904' - 1914'	G.L. 472' G.L. 425' G.L. 416' G.L. 446' G.L. 404' G.L. 468'
E. H. & K. Oil Co. WAYNE COUNTY	*A. C. Stanton #6	990°S 360°E NWc NE NW Sec. 26 1S 1W	Tar Springs 1110' - 1205'	G.L. 535'
C. R. Cochonour & Marion Pantlow d/b/a Pantlow & Cochonour Fletcher F. Farrar Booth Oil Co., Inc. Louis H. Kapp, Jr. Louis A. Pessina Charles L. Evans Charles A. Pessina Fletcher F. Farrar C. Richard Collins & Floyd Collins d/b/a Collins Brothers Oil Co	*Royal Barth #2 *Straub #3 SWD *Pittman Comm. #1 *Youngblood Et al #W1-1 *Katharina Golf #8-SWD Johnson SWD #1 K. Golf #1 SWD Roy Reed SWD #1 *Hilliard Ellis SWD #1	330°S 660°E NWc SE Sec. 11 1N 8E 330°S 330°E NWc SW SW Sec. 26 1N 8E 330°N 330°E SWc SE SW Sec. 26 2N 7E 330°N 330°W SEc NE NW Sec. 19 1S 5E 330°N 300°E SWc SW Sec. 26 1S 5E 375°S 98°E NWc SW Sec. 26 1S 5E 750°S 200°E NWc SW Sec. 27 1S 5E 150°N 288°E SWc SE NW Sec. 27 1S 5E 422°S 562°E NWc NE SE Sec. 28 1S 5E	Penn. 1000' - 1070' Aux Vases 3018' - 3036' Cypress 2870' - 2900' Cypress 2665' - 2685' Salern 3605' - 3606' Cypress 2765' - 2806' Cypress 2720' - 2840' Cypress 2740' - 2820' Cypress 2780' - 2852'	G.L. 452' G.L. 431' G.L. 450' G.L. 519' G.L. 434' G.L. 453' G.L. 444' G.L. 443' D.F. 500'

# SALT WATER & WASTE DISPOSAL (PERMITS ISSUED IN 1977)

OPERATOR	WELL (* = Converted well)	LOCATION	FORMATION	ELEV.
Lake Michigan Exploration Co.	*George W. Reed #1	330°N 330°W Sec. NE NE Sec. 28 1S 5E	Cypress	G.L. 461'
David Allison	Stipo #1-SWD	125°N 76°E SW Sec. 1 1S 6E	Cypress 2928' 2966'	G.L. 505'
Chris Pearson, Jr.	*Florence Lane #2	330°S 330°E NW Sec. SW Sec. 4 1S 6E	Tar Springs 1900' 2000'	G.L. 464'
Art Buchanan	*Art Buchanan "B" LSE #1-SWD	370°S 330°E NW Sec. NW Sec. 35 1S 6E	Tar Springs 2170' 2200'	G.L. 407'
Gilbert W. Andrews	*Bright & Sons #2	330°S 330°E NW Sec. NW Sec. 2 2S 7E	Cypress 2877' 2965'	G.L. 415'
WHITE COUNTY				
Perry Fulk	*Lewis #1	330°S 660°W NE Sec. SE SW Sec. 28 4S 8E	Cypress 3160' 3204'	G.L. 394'
Perry Fulk	*Mary Ward Unit #2A	330°S 330°E NW Sec. SE SW Sec. 29 4S 8E	Penn. 2017' 2125'	G.L. 430'
Perry Fulk	*Cyde Woodrow Et al Unit #1	330°N 330°W Sec. SW SW Sec. 29 4S 8E	Cypress 3150' 3160'	G.L. 411'
B. Michael Beeler	*Given SWD #2	330°N 330°E SW Sec. NE SW Sec. 35 4S 10E	Aux Vases 2282' 2298'	G.L. 405'
d/b/a Mike Beeler Oil Co.	Lomas #7	585°S 660°W NE Sec. NW SW Sec. 14 4S 14W	Penn. 1320' 1360'	G.L. 378'
C. F. Rebstock	C. A. Williams #1	330°N 330°W Sec. SW SE Sec. 30 5S 9E	Cypress 2842' 2854'	G.L. 463'
Antone Kemp & Wayne L. Hertzog				
C. E. Brehm d/b/a	*S. V. Bayley #1	330°N 330°E SW Sec. NW SW Sec. 37S 9E	Aux Vases 2953' 2971'	G.L. 492'
C. E. Brehm Drilling & Producing	Boettcher #6	110°S 330°E NW Sec. NW Sec. 30 7S 11E	Tar Springs 2100' 2194'	G.L. 345'



# GAS INPUT & STORAGE (PERMITS ISSUED IN 1977)

OPERATOR	WELL (* = Converted well)	LOCATION	FORMATION	ELEV.
<b>CHAMPAIGN COUNTY</b>				
Peoples Gas Light & Coke Co.	V. Sloan #1	131°S 65°E NW¼ Sec. 5 21N 7E	Mt. Simon	G.L. 748'
Peoples Gas Light & Coke Co.	V. Wilkin #3	50°N 50°E SW¼ Sec. 8 21N 7E	Mt. Simon	G.L. 750.8'
Peoples Gas Light & Coke Co.	V. Wilkin #3	50°S 50°W NE¼ Sec. 8 21N 7E	Mt. Simon	G.L. 747.6'
Peoples Gas Light & Coke Co.	H. Wilner #1	70°N 200°E SW¼ Sec. 8 21N 7E	Mt. Simon	G.L. 748.9'
Peoples Gas Light & Coke Co.	L. Bateman #1	50°N 50°W NE¼ Sec. 9 21N 7E	Mt. Simon	G.L. 740'
Peoples Gas Light & Coke Co.	L. McCord #1	50°S 50°W NE¼ Sec. 10 21N 7E	Mt. Simon	G.L. 741.6'
Peoples Gas Light & Coke Co.	L. McCord #2	206°S 81°W NE¼ Sec. 10 21N 7E	Mt. Simon	G.L. 725'
Peoples Gas Light & Coke Co.	G. Buckman #2	167°N 60°W NE¼ Sec. 19 21N 7E	Mt. Simon	G.L. 758'
Peoples Gas Light & Coke Co.	F. Karmen #1	13°N 31°W NE¼ Sec. 22 21N 7E	Mt. Simon	G.L. 731'
Peoples Gas Light & Coke Co.	F. Hazen #6	71°N 181°W NE¼ Sec. 27 21N 7E	Mt. Simon	G.L. 740'
<b>FAYETTE COUNTY</b>				
Natural Gas Pipeline Co. of America	Levi Tinsword #3-D	607°S 305°E NW¼ Sec. 22 8N 3E	Devonian	G.L. 618'
Natural Gas Pipeline Co. of America	Le Roy Cummings #13-D	63°S 883°W NE¼ Sec. 32 8N 3E	Devonian	G.L. 596.6'
Natural Gas Pipeline Co. of America	William Ireland #16-D	660°N 660°E SW¼ Sec. 32 8N 3E	Devonian	G.L. 593'
Natural Gas Pipeline Co. of America	W. Ireland #21-D	660°S 1648°W NE¼ Sec. 32 8N 3E	Devonian	G.L. 595.4'
Natural Gas Pipeline Co. of America	W. Ireland #22-D	1580°S 1848°W NE¼ Sec. 32 8N 3E	Devonian	G.L. 595.4'
<b>LIVINGSTON COUNTY</b>				
Northern Illinois Gas Co.	Finhold Well #107	1409°S 66°E NW¼ Sec. 32 28N 6E	Galesville	G.L. 656.7'
Northern Illinois Gas Co.	Finhold #103	125°S 1215.6°W NE¼ Sec. 33 28N 6E	Galesville	G.L. 711.5'
Northern Illinois Gas Co.	Finhold #104	100°N 50.6°W NE¼ Sec. 33 28N 6E	Galesville	G.L. 715.1'
Northern Illinois Gas Co.	Finhold Well #106	66°N 120°E SW¼ Sec. 33 28N 6E	Galesville	G.L. 689.3'
Northern Illinois Gas Co.	Swager #105	116°N 187°E SW¼ Sec. 33 28N 6E	Galesville	G.L. 675.9'
Northern Illinois Gas Co.	Cullen Well #11	102.2°S 139°E NW¼ Sec. 29 30N 3E	Mt. Simon	G.L. 642.8'
Northern Illinois Gas Co.	Jacobs Well #4	66°S 150°E NW¼ Sec. 29 30N 3E	Mt. Simon	G.L. 632.4'
Northern Illinois Gas Co.	A. White #3	66°S 350°E NW¼ Sec. 30 30N 3E	Mt. Simon 2200' - 2300'	G.L. 691.1'
Northern Illinois Gas Co.	A. White #203	66°S 325°E NW¼ Sec. 30 30N 3E	Trenton	G.L. 650.9'
Northern Illinois Gas Co.	Kovacevich Well #1	91°S 33°W NE¼ Sec. 31 30N 3E	Mt. Simon 2200' - 2300'	G.L. 645.4'
Northern Illinois Gas Co.	Kovacevich Well #2	332°S 66°W NE¼ Sec. 31 30N 3E	Mt. Simon 2200' - 2300'	G.L. 645.9'
<b>MCLEAN COUNTY</b>				
Northern Illinois Gas Co.	R. Kilian #2	150°S 113.68°E NW¼ Sec. 2 24N 2E	Mt. Simon	G.L. 778.1'
Northern Illinois Gas Co.	Berkow Well #1	150°S 65°W NE¼ Sec. 13 25N 3E	Mt. Simon	G.L. 736.6'
Northern Illinois Gas Co.	Berkow Well #2	100°N 66°W SE¼ Sec. 13 25N 3E	Mt. Simon	G.L. 744.2'
Northern Illinois Gas Co.	DeWitt #1	322°S 41°E NW¼ Sec. 13 25N 3E	Mt. Simon	G.L. 724.5'
Northern Illinois Gas Co.	Fink's Well #4	146°N 21.3°E SW¼ Sec. 14 25N 3E	Mt. Simon	G.L. 724.9'
Northern Illinois Gas Co.	Moore Well #1	100°S 66°E NW¼ Sec. 14 25N 3E	Mt. Simon	G.L. 730.2'
Northern Illinois Gas Co.	Moore Well #2	100°S 66°E NW¼ Sec. 14 25N 3E	Mt. Simon	G.L. 737.9'
Northern Illinois Gas Co.	Moore Well #3	100°S 66°E NW¼ Sec. 14 25N 3E	Mt. Simon	G.L. 740.3'
Northern Illinois Gas Co.	Pryne Well #7	170°S NW¼ Sec. 14 25N 3E	Mt. Simon	G.L. 708.7'
Northern Illinois Gas Co.	Pryne Well #10	81°N 325.7°W NE¼ Sec. 14 25N 3E	Galesville	G.L. 734'
Northern Illinois Gas Co.	Berkow Well #3	100°N 66°W NE¼ Sec. 23 25N 3E	Mt. Simon	G.L. 742.3'

# WATER SUPPLY (PERMITS ISSUED IN 1977)

OPERATOR	WELL (* = Converted well)	LOCATION	FORMATION	ELEV.
CRAWFORD COUNTY				
Marathon Oil Co. ....	W. G. York Acct. #1-Well #1. ....	197°N 81°E SWc NE Sec. 8 7°N 12°W. ....	Buchanan. ....	G.L. 570' ....
Triple "B" Oil Producers, Inc. ....	E. V. Kirk #1-WSW. ....	675°N 110°W Sec NE NW Sec. 31 7°N 12°W. ....	Lower Cypress. ....	G.L. 536' ....
Paul R. Tuerk. ....	*M. C. Stentz #11. ....	210°S 220°W NEc SW NW Sec. 15 7°N 13°W. ....	Robinson. ....	G.L. 515' ....
Triple "B" Oil Producers, Inc. ....	S. L. Firebaugh #1-WSW. ....	750°N 20°W Sec SW NE Sec. 36 7°N 13°W. ....	Pennsylvanian. ....	G.L. 519' ....
EFFINGHAM COUNTY				
R. O. Wilson II. ....	Stortzum #1-WSW. ....	50°S 333°W NEc NW NE Sec. 22 6°N 7°E. ....	Pennsylvanian. ....	G.L. 563' ....
WABASH COUNTY				
RK Petroleum Corp. ....	K. T. Krumm #1-SW. ....	20°S 330°W NEc SW NE Sec. 14 1°N 13°W. ....	Fresh Water Sands 325'. ....	G.L. 463' ....
W. E. Brubeck. ....	Epler WS-1. ....	330°N 400°E SWc Sec. 32 2°S 13°W. ....	Fresh Water 100'. ....	G.L. 388' ....
W. E. Brubeck. ....	Epler WS-2. ....	550°N 30°E SWc Sec. 32 2°S 13°W. ....	Fresh Water 100'. ....	G.L. 388' ....
WHITE COUNTY				
Barger Engineering, Inc. ....	*B & L Sturm #WS-1. ....	330°S 330°E NWc NE NE Sec. 36 3°S 10°E. ....	Pennsylvanian. ....	G.L. 419' ....

# WATER INPUT (PERMITS ISSUED IN 1977)

OPERATOR	WELL (* = Converted well)	LOCATION	FORMATION	ELEV
<b>CHRISTIAN COUNTY</b>				
Joe Simpkins Oil Developments	*Linton 'B' #10	325°N 460°W Sec NW SW Sec. 2 13N 3W	Devonian 1834-1837	G L 574
Joe Simpkins Oil Developments	*Ruth Smith #1	365°N 464°W Sec SW SW Sec. 2 13N 3W	Devonian 1840-1855	G L 578
Joe Simpkins Oil Developments	*Peabody Linton #4	330°N 340°W Sec SW SE Sec. 3 13N 3W	Devonian 1810-1831	G L 584
Joe Simpkins Oil Developments	*Peabody Linton #6	330°N 390°W Sec SE Sec. 3 13N 3W	Devonian 1807-1817	G L 587
Joe Simpkins Oil Developments	*Blackstock C #5	330°N 330°E SWc SE SE Sec. 9 13N 3W	Devonian 1807-1822	G L 604
Joe Simpkins Oil Developments	*Blackstock C #9	330°N 330°E SWc NE SE Sec. 9 13N 3W	Devonian 1803-1823	G L 601
Joe Simpkins Oil Developments	*Davis #4	314°N 278°E SWc NW SE Sec. 9 13N 3W	Devonian 1804-1832	G L 599
Joe Simpkins Oil Developments	*Kincaid Land #5	380°S 330°E NWc SW Sec. 10 13N 3W	Devonian 1825-1835	G L 599
Joe Simpkins Oil Developments	*Kincaid Land Association #7 A	350°S 330°E NWc NE SE Sec. 10 13N 3W	Devonian 1845-1855	G L 579
Joe Simpkins Oil Developments	*Kincaid Land Association #9 A	395°S 330°E NWc NE SE Sec. 10 13N 3W	Devonian 1826-1844	G L 568
Joe Simpkins Oil Developments	*Peabody #1	350°N 330°W Sec NE NW Sec. 10 13N 3W	Devonian 1826-1844	G L 597
Joe Simpkins Oil Developments	*Peabody #2	350°N 330°E SWc Sec. 10 13N 3W	Devonian 1820-1834	G L 604
Joe Simpkins Oil Developments	*Gabriel #1	330°N 460°W Sec SW Sec. 11 13N 3W	Devonian 1823-1835	G L 550
Joe Simpkins Oil Developments	*Mulvaney Mitchell #2	333°N 509°W Sec SW NW Sec. 11 13N 3W	Devonian 1827-1841	G L 550
Joe Simpkins Oil Developments	*Mulvaney Mitchell #4	330°N 590°W Sec NW NW Sec. 11 13N 3W	Devonian 1849-1861	G L 564
Joe Simpkins Oil Developments	*Blackstock A #3	330°N 330°E SWc NW NW Sec. 15 13N 3W	Devonian 1811-1826	G L 600
Joe Simpkins Oil Developments	*Messersmith #7	330°N 330°E SWc NW NE Sec. 15 13N 3W	Devonian 1806-1834	G L 600
Joe Simpkins Oil Developments	*Blackstock C #2	330°N 330°E SWc NW NE Sec. 16 13N 3W	Devonian 1811-1827	G L 603
Joe Simpkins Oil Developments	*Blackstock B #3	330°N 330°E SWc NE Sec. 16 13N 3W	Devonian 1834-1850	G L 606
Joe Simpkins Oil Developments	*Blackstock 'S' #4	330°N 330°E SWc NE Sec. 16 13N 3W	Devonian 1818-1826	G L 599
Joe Simpkins Oil Developments	*Messersmith #5	330°N 330°E SWc NE Sec. 16 13N 3W	Devonian 1818-1826	G L 599
<b>CLARK COUNTY</b>				
John H. Ryan	Endley #B-1	660°N 660°W Sec SW SE Sec. 32 12N 14W	Lower Miss. 330-375	G L 660
<b>CLAY COUNTY</b>				
Booth Oil Co., Inc.	*C. Bayler #2A	990°N 330°W Sec NW NE Sec. 15 2N 7E	Aux Vases 2988-2993	G L 448
Shakespere Oil Co., Inc.	*Hert #B-1, Passport Unit	330°S 330°W Sec SE Sec. 11 4N 8E	McClosky 2998-3017	G L 458
<b>TEXACO COUNTY</b>				
Texaco, Inc.	*North Bible Grove Unit 1 #1	330°S 330°E NWc SW SW Sec. 4 5N 7E	Weiler 2484-2512	G L 528 5
	*North Bible Grove Unit Tract #21-7	400°S 330°W Sec NW NW Sec. 10 5N 7E	Weiler 2463-2512	D F 533
<b>CLINTON COUNTY</b>				
Charles E. Fisher, Jr.	*F. E. Kartmann WI #3	330°N 330°W Sec SW Sec. 6 3N 2W	Benoist 1132-1140	G L 467
Charles E. Fisher, Jr.	Reinhold Twinnafel WI #2	330°N 330°W Sec SW SE Sec. 6 3N 2W	Benoist 1139-1149	G L 465
Charles E. Fisher, Jr.	*Ben Von Harten WI #2	330°S 330°W Sec NW SE Sec. 17 3N 2W	Benoist 1180-1199	G L 472
Charles E. Fisher, Jr.	*Herman Wohlwend WI #7 A	330°E NWc SW NW Sec. 17 3N 2W	Benoist 1165-1178	G L 472

# WATER INPUT (PERMITS ISSUED IN 1977)

OPERATOR	WELL (* = Converted well)	LOCATION	FORMATION	ELEV
<b>COLES COUNTY</b>				
James R. Covington	*Oliver "C" #2	330°N 1650°W SE Sec. 2 12N 7E	Cypress 1742' 1768'	G.L. 685.9'
N. A. Baldrige	*Pinnell Unit #1	330°N 330°W SE Sec. 26 12N 7E	Posidare 1990' 1999'	G.L. 750'
N. A. Baldrige	*Henry Uphoff #8	330°N 402°E SW 1/4 SE SW Sec. 26 12N 7E	Posidare 2016' 2025'	G.L. 745'
N. A. Baldrige	*Henry Uphoff #9	330°S 168°W NE 1/4 NW Sec. 35 12N 7E	Posidare	G.L. 745'
<b>CRAWFORD COUNTY</b>				
Energy Resources of Indiana, Inc.	Due Heirs II #EW-30	20°S 20°E NW 1/4 SW Sec. 1 5N 13W	Robinson 800' 900'	G.L. 437'
Energy Resources of Indiana, Inc.	Due Heirs II #FW-30	5°S 660°W NE 1/4 SW Sec. 1 5N 13W	Robinson 800' 900'	G.L. 437'
Energy Resources of Indiana, Inc.	Due Heirs II #GW-30	20°S 15°W NE 1/4 SW Sec. 1 5N 13W	Robinson 800' 900'	G.L. 438'
Energy Resources of Indiana, Inc.	Due Heirs II #EW-31	688°S 20°E NW 1/4 SW Sec. 1 5N 13W	Robinson 800' 900'	G.L. 437'
Energy Resources of Indiana, Inc.	Due Heirs II #FW-31	674°S 675°W NE 1/4 SW Sec. 1 5N 13W	Robinson 800' 900'	G.L. 437'
Energy Resources of Indiana, Inc.	Mark Ford, Jr. #UW-28	15°S 660°W NE 1/4 NW Sec. 2 5N 13W	Penn. 1200' 1300'	G.L. 469'
Energy Resources of Indiana, Inc.	Mark Ford, Jr. #VW-29	685°S 15°W NE 1/4 NW Sec. 2 5N 13W	850' 900'	G.L. 462'
Energy Resources of Indiana, Inc.	Richard #DW-30	1355°S 660°W NE 1/4 SE Sec. 2 5N 13W	1000' 1010'	G.L. 437'
Energy Resources of Indiana, Inc.	Baldwin Heirs #QW-1	65°N 65°E SW 1/4 SE Sec. 34 6N 13W	Robinson 800' 900'	G.L. 507'
Energy Resources of Indiana, Inc.	Hardin Community #OW-21	668°S 65°W NE 1/4 NW Sec. 34 6N 13W	Robinson 866' 880'	G.L. 508'
Triple "B" Oil Producers, Inc.	S. D. Meserve #4-W1	660°N 660°W SE 1/4 NE Sec. 9 7N 12W	Robinson 866' 880'	G.L. 573'
Simpson Brothers, Inc.	E. Osborn #W-1	661°S 421°W NE Sec. 9 7N 12W	Penn. 1020' 1070'	G.L. 551'
William R. Mason d/b/a Mason Oil Co.	Floyd R. & Norma I. Osborn #16W	660°N 660°E SW 1/4 NW Sec. 10 7N 12W	Robinson 1040' 1065'	G.L. 550'
William R. Mason d/b/a Mason Oil Co.	Floyd R. & Norma I. Osborn #17W	660°N 1°E SW 1/4 NW Sec. 10 7N 12W	Robinson 1030' 1062'	G.L. 530'
William R. Mason d/b/a Mason Oil Co.	Price #W-2	660°S 565°E NW 1/4 NE Sec. 10 7N 12W	Robinson 1010' 1090'	G.L. 572'
William R. Mason d/b/a Mason Oil Co.	Price #W-3	1°N 660°E SW 1/4 NW Sec. 17 7N 12W	Robinson 1010' 1090'	G.L. 563'
William R. Mason d/b/a Mason Oil Co.	Price #W-4	660°S 660°E SW 1/4 NW Sec. 17 7N 12W	Robinson 1010' 1090'	G.L. 558'
William R. Mason d/b/a Mason Oil Co.	Price #W-5	50°N 660°E SW 1/4 NW Sec. 17 7N 12W	Robinson 950' 1050'	G.L. 545'
Getty Oil Co.	P. K. Conover #R-1	874°S 865°E NW 1/4 NW Sec. 19 7N 12W	Robinson 950' 1050'	G.L. 544'
Getty Oil Co.	P. K. Conover #R-2	522°S 874°E NW 1/4 NW Sec. 19 7N 12W	Robinson 950' 1050'	G.L. 544'
Getty Oil Co.	P. K. Conover #R-3	514°S 520°E NW 1/4 NW Sec. 19 7N 12W	Robinson 950' 1050'	G.L. 544'
Getty Oil Co.	P. K. Conover #R-4	866°S 520°E NW 1/4 NW Sec. 19 7N 12W	Robinson 950' 1050'	G.L. 544'
Getty Oil Co.	Richards-Novosel #AW-1	660°S 660°W NE 1/4 NW Sec. 32 8N 12W	Robinson 1002' 1045'	G.L. 581'

Daniel R. Leavell d/b/a Used Oil Field Equipment David Jones Oil Producer Billy R. Rector	Schutte Biddle #LW-2 Marion Williamson #JW-1 McCoy-Ikemire #W-1	660° N 25° E SWc NE Sec. 32 8N 12W 660° S 66° E NWc NW SE Sec. 32 8N 12W 660° N 66° E SWc SE Sec. 35 8N 13W	Robinson 1030° 1060° Robinson 1000° 1040° Robinson 930° 945° 1020° 1040°	G.L.585° G.L.592° G.L.552-7°
EDWARDS COUNTY				
Robinson Production, Inc. Robinson Production, Inc.	Snowdall #1 W/ *I. Woodham #2	660° S 60° W NEc SE NW Sec. 31 2S 10E 330° N 330° W SEC NE NW Sec. 31 2S 10E	McClosky 3300° 3310° Aux Vases 3190° 3200° McClosky 3306° 3314° McClosky 3110° 3175°	G.L.380° G.L.377° G.L.486°
The Superior Oil Co.	*F. Wood #7	840° S 330° E NWc Sec. 192S 11E		
EFFINGHAM COUNTY				
Ladd Petroleum Corp Ladd Petroleum Corp. Ladd Petroleum Corp. Ladd Petroleum Corp. JEN Oil Co.	*South Mason Unit Tract #13-1 *Jarvis Unit Tract #2-2A *South Mason Unit Tract #2-1 *South Mason Unit Tract #9-2 *Huesling #1	330° S 330° E NWc SW Sec. 26 6N 5E 330° S 330° W NEc SW NE Sec. 34 6N 5E 330° N 330° E SWc NE NE Sec. 34 6N 5E 330° S 330° W NEc Sec. 34 6N 5E 330° N 330° W SEC SW NW Sec. 11 8N 6E	Aux Vases 2373° 2390° McClosky 2330° 2400° Aux Vases 2325° 2350° McClosky 2400° 2440° McClosky 2403° 2421°	G.L.545° G.L.503° G.L.525° G.L.540° G.L.611°
FAYETTE COUNTY				
Exxon Corp.	*Lewis Ripley #1	330° S 330° E NWc Sec. 29 7N 3E	Lower Weiler 1556° 1605°	G.L.597°
FRANKLIN COUNTY				
H & W Oil Co., Inc.	*Boyles #3	330° N 339° E SWc SE NW SE Sec. 19 5S 3E	Paint Creek 2630° 2643° O'Hara 2798° 2806°	G.L.456°
H & W Oil Co., Inc. H & W Oil Co., Inc. Shell Oil Co. Shell Oil Co.	*Whittington South Unit (Pickens) #11 *Whittington South Unit (Pickens) #16 *Benton Flood Unit #151W *Benton Flood Unit #153W	330° S 330° E NWc SW NW Sec. 29 5S 3E 650° N 165° W SEC SW NE Sec. 30 5S 3E 993° S 978° W NEc NW Sec. 25 6S 2E 994.2° S 489° E NWc Sec. 25 6S 2E	Hardinsburg 2299° 2334° Hardinsburg 2290° 2327° Tar Springs 2091° 2126° Tar Springs 2097° 2130°	G.L.467° G.L.457° D.F.429° D.F.446°
GALLATIN COUNTY				
C. Richard Collins & Floyd Collins d/b/a Collins Brothers Oil Co. C. Richard Collins & Floyd Collins d/b/a Collins Brothers Oil Co. Eugene E. Morris Eugene E. Morris	*Holland #1 *Esqher #2 *Doherty Heirs #2 *Herbert Crane #2	330° S 330° W NEc SE SE Sec. 23 7S 9E 330° N 330° W SEC SW Sec. 24 7S 9E 330° S 330° W NEc SE SW Sec. 36 8S 9E 330° S 330° W NEc NW NW Sec. 1 9S 9E	Tar Springs 2322° 2331° Aux Vases 2900° 2924° Watersburg 2011° 2026° Watersburg 2000° 2010°	G.L.382° G.L.389° G.L.358° G.L.354°
HAMILTON COUNTY				
Herman S. Graham Texaco, Inc. Texaco, Inc.	*T. M. Friel #3 Dale Unit Tract 20-1 *Walpole Ste Gen Unit Tract #4 #9	330° N 395° W SEC SW SE Sec. 27 5S 6E 330° S 330° E NWc NE SW Sec. 12 6S 6E 682° S 664° E NWc NE SE Sec. 27 6S 6E	Aux Vases 3057° 3069° Aux Vases Rosiclar-McClosky 3172° 3275° U. Cypress 2660° 2704°	G.L.405° G.L.382° G.L.377°
JEFFERSON COUNTY				
Farmers Petroleum Co. Operative, Inc.	*Snodsmith #A-1 W1	330° N 330° W SEC NE NE Sec. 4 2S 4E	McClosky 2944° 2950°	G.L.503°

# WATER INPUT (PERMITS ISSUED IN 1977)

OPERATOR	WELL (* = Converted well)	LOCATION	FORMATION	ELEV
<b>LAWRENCE COUNTY</b>				
Fried Jackson & Chioce Wells d/b/a J & W Equipment Co.	*Bridgeport South Unit #8	990'N 330'W SEC. SW Sec. 19.3N 12W	Benolist 1950-1957	G.L.482'
Wayne Smith, Operator, Inc.	George Leighty #W-1 R	300'N 20' E SWC NE NE Sec. 26.3N 12W	Ridgley 1290-1320	G.L.489
G. O. Chapman & Tom L. Smith d/b/a Bridgeport Drilling Co.	George Leighty #W-2 R	20'N 300' E SWC NE NE Sec. 26.3N 12W	Ridgley 1290-1320	G.L.505'
Marathon Oil Co.	Sumner-Griggs Comm. #1 W1	1310' S 1320' E NWC NE Sec. 13.3N 13W	Rosiclar 2046-2052	G.L.492'
Marathon Oil Co.	Perry King acc. 1 & 2 #NN-11	4'N 11'W SEC NE SW Sec. 18.4N 12W	2059-2065	G.L.431'
Wayne Smith, Operator, Inc.	Isaac Boyd #H-3	721'N 700'W SEC NE NW Sec. 30.4N 12W	Kirkwood 1300-1350	G.L.449
Wayne Smith, Operator, Inc.	A. C. Droll Etal #W-35	5'N 652'W SEC NW SW Sec. 1.4N 13W	Jackson 1335-1345	G.L.432'
<b>MADISON COUNTY</b>				
Karchmer Pipe & Supply Co., Inc.	*Kettler #1	330'N 330' E SWC NW SW Sec. 9.4N 6W	Devonian 1724-1788	G.L.531'
Karchmer Pipe & Supply Co., Inc.	*Kettler #2	330' S 330' E NWC SW Sec. 9.4N 6W	Devonian Silurian 1726-1790	.....
Karchmer Pipe & Supply Co., Inc.	*Pence-Mayer #2	330'N 330' W SEC NE Sec. 16.4N 6W	Devonian 1744-1780	.....
<b>MARION COUNTY</b>				
Texaco, Inc.	*L. O. Meyer Unit (Raccoon Lake Pool) Tract 3, Well #4	330'N 380' E SWC NE SE Sec. 3.1N 1E	Weiler 1641-1666	D.F.508'
Goose Creek Oil Co., Inc.	*Robinson #3	50'N 330' E SWC SE SW Sec. 4.2N 1E	Geneva 2936-3000	G.L.523'
Goose Creek Oil Co., Inc.	*S. Swagler #1	330' S 330' E NWC NE NW Sec. 9.2N 1E	Devonian 2994-3030	G.L.518'
Texaco, Inc.	*Toni Unit O/A Tract #3 (T. Fisher) Well #10	330' S 330' E NWC NE SE Sec. 4.2N 2E	Benolist 1955-1966	D.F.558'
Texaco, Inc.	*Salem Unit O/A Tract #29 IN Young Well #27	62'N 681'W SEC NE Sec. 20.2N 2E	Aux Vases 2014-2026	.....
Texaco, Inc.	*Salem Unit O/A Tract #58 J. R. Young Well #18	974'N 270'W SEC SW NE Sec. 29.2N 2E	Devonian 3390-3435	D.F.537'
Texaco, Inc.	*Salem Unit O/A Tract #85 (S. Shanafelt) Well #41	280'N 343'W SEC SE SW SE Sec. 29.2N 2E	Devonian	D.F.528'
Texaco, Inc.	*Salem Unit O/A Tract #113 (W. T. Richardson) Well #20	300'N 280' E SWC NW Sec. 32.2N 2E	Devonian 3384-3448	D.F.519'
Shell Oil Co.	*G. M. Davison #2	220' S 716'W SEC NE Sec. 34.4N 1E	Aux Vases 1728-1776	D.F.480'
<b>MONROE COUNTY</b>				
John W. Kelly	Theobald #5	46'N 629'W SEC NE SW SW Sec. 35.1S 10W	Cypress 1350-1368	G.L.616'
Marble Rock Co., Inc.	Earl Kolmer #3	489' S 669'W SEC NE NW Sec. 11.2S 10W	Trenton 400-500	G.L.622'
Marble Rock Co.	Marble Rock #3	138.2' N 43.3' W SEC NE NW Sec. 11.2S 10W	Trenton 400-500	G.L.664'

John W. Kelly	*Ralph Kolmer #2.	330' N 330' E SWc SE SW NE Sec. 11 2S 10W	Trenton 400' 500'	G.L.674
RICHLAND COUNTY				
Booth Oil Co., Inc.	*L. H. O'Dell #1	660' N 660' W SEc NE Sec. 25 3N 8E	McClosky 2932' 2983'	
Union Oil Co. of California	Blain Consolidated #2	995' N 330' E SWc SE SW Sec. 24 4N 9E	McClosky 2930' 2990'	D.F.502'
Union Oil Co. of California	Waketfield Unit C. A. Bower-A #5	330' S 330' E NWc SE NW Sec. 25 4N 9E	McClosky 2930' 2990'	D.F.495'
WABASH COUNTY				
A. M. Energy, Inc.	Chapman Et al Unit #2	20' S 1197' W NEc SE Sec. 23 1N 12W	Behl 1500'	G.L.433'
Gilbert A. Higgins	Robert Baumgart #3 WI	1520' S 660' W NEc SE Sec. 28 1N 12W	McClosky 2330' 2350'	G.L.410'
RK Petroleum Corp.	*Hamler-Alka Comm. #1	330' N 1010' E SWc NW Sec. 11 1N 13W	McClosky 2930' 2990'	G.L.513'
RK Petroleum Corp.	*K. T. Krumm #1 WI	330' S 330' E NWc SW NE Sec. 14 1N 13W	O'Hara 2980' 2990'	G.L.460' S
Juniper Petroleum Corp.	*Mottler Unit Et al #1	330' S 330' W NEc SE SW NE Sec. 5 1S 12W	Cypress 1882' 1992'	D.F.402'
Friedrichs & Chace Wells	*Amos Majors #3	330' N 330' W Sec SW SW Sec. 2 1S 13W	Cypress 2302' 2312'	G.L.470'
d/b/a J & W Edment Co.	*Grace Joachim #1	330' N 330' W Sec SW SE Sec. 5 2S 13W	Hardinsburg 2214' 2300'	G.L.400'
Universal Operating, Inc.			Cypress 2416' 2430'	
			Bethel 2542' 2548'	
WAYNE COUNTY				
Richard W. Beeson	*Haynes #1	330' S 330' E NWc SE SE Sec. 35 1N 7E	McClosky 3053' 3122'	G.L.439'
Robinson Production, Inc.	Rinkel #5 WI	330' N 40' E SWc NE NE Sec. 33 1N 8E	Aux Vases 2990' 3000'	G.L.397'
Robinson Production, Inc.	Thacker #1 W	1320' S 50' E NWc NE Sec. 19 1S 8E	Aux Vases 3135' 3150'	G.L.436'
Juniper Petroleum Corp.	*Virginia Hanes Et al #2	330' N 330' E SWc NE Sec. 26 1S 9E	McClosky 3290' 3300'	
W. E. Brubeck	*August Jones #2 WI	330' N 330' W Sec NE NW Sec. 23 2S 9E	O'Hara 3271' 3283'	D.F.384'
WHITE COUNTY			Rosclaire 3318' 3324'	G.L.414'
Black Hawk Resources Corp.	*G. R. Locke #81 21	330' S 330' W NEc Sec. 21 3S 8E	Aux Vases 3358' 3410'	G.L.464'
Barger Engineering, Inc.	*P. Blackford #2	330' N 330' E SWc SE SE Sec. 25 3S 10E	Paint Creek 2862' 2876'	G.L.429'
Barger Engineering, Inc.	*Sturm -B' #1	330' S 330' E NWc SE Sec. 36 3S 10E	Benoist 2879' 2882'	G.L.453'
J. Roy Dee d/b/a Illinois			Benoist 2908' 2930'	
Mid Continent Co. & Dee Drilling Co.	*Lamar Williams #1	330' N 330' W Sec NE NW Sec. 29 4S 10E	O'Hara 3090' 3096'	
The Superior Oil Co.	H. C. Ford Et al #C 20	330' N 330' W Sec SW SE Sec. 27 4S 14W	O'Hara 3126' 3150'	G.L.382'
J. Roy Dee d/b/a Illinois			Cypress 2574' 2600'	G.L.362'
Mid Continent Co. & Dee Drilling Co.	*460 Realty Frymire #3	329' S 330' W NEc NW SE Sec. 14 5S 8E	McClosky 2866' 2874'	
N. A. Balridge	*Lamar #2-B	330' N 330' W Sec NW NW Sec. 1 5S 10E	Aux Vases 3145' 3147'	G.L.396'
			Behl 2300' 2460'	G.L.423'

## PRODUCING WELLS COMPLETED IN 1977

OPERATOR	WELL NAME & NO.	LOCATION	FORMATION	TOTAL DEPTH	EST. IP DAILY	ELEV.
ADAMS COUNTY						
Claude McElvain	Doole #5	640° S 330° W NEc NW Sec. 12 25 5W	Silurian	660'	5	G.L. 731'
BOND COUNTY						
Dolphin Operating Co., Inc.	Rogier-Holman-H.S. Unit #1	330° N 330° W SEc SW NE Sec. 11 4N 4W	Devonian	2223'	112	G.L. 467'
Dolphin Operating Co., Inc.	Wells, McElvain and Newman Unit #1	330° N 330° E SWc NW Sec. 12 4N 4W	Devonian	2220'	50	G.L. 467'
Sam Parker Oil Company	Donk Bros. Coal and Coke #6	424° S 310° W NEc SE SW Sec. 15 5N 4W	Penn.	619'	1	G.L. 541'
Sam Parker Oil Company	Wayne Skinner #1	330° S 330° E NWc SW NE SE Sec. 15 5N 4W	Penn.	630'	3	G.L. 567'
Sam Parker Oil Company	Parker #8	185° S 89° W NEc SE NE NE Sec. 21 5N 4W	Penn.	654'	3	G.L. 566'
Arnold Wilson	K. J. Dillman #5	330° S 430° W NEc SE NE Sec. 22 5N 4W	Penn.	549'	2	G.L. 482'
Sam Parker Oil Company	Sam Parker #6	626° 0' N 330° 0' E SWc NW NW Sec. 22 5N 4W	Penn.	635'	3	G.L. 538'
Shakespeare Oil Co., Inc.	L. Foppe #2	500° N 330° W SEc NE Sec. 16 6N 2W	Trenton	3206'	27	G.L. 574'
CLARK COUNTY						
James B. Orrell	Vern Davison #6 A	330° S 430° E NWc SE SW Sec. 13 9N 13W	Penn.	871'	10	G.L. 585'
James B. Orrell	Vern Davison #7 A	330° S 330° W NEc SW Sec. 13 9N 13W	Penn.	860'	21	G.L. 587'
W. D. Lilly	Marshall Hill #2	330° S 330° E NWc SE SE Sec. 13 10N 13W	Casey	526'	7	G.L. 586.4'
W. D. Lilly	Marshall Hill #1	330° S 330° E NWc SE SE Sec. 13 10N 13W	Trenton	2880'	24	G.L. 572'
Southern Triangle Oil Co.	Marshall Hill #1	330° S 330° W NEc SE SE Sec. 19 10N 13W	Trenton	2880'	24	G.L. 572'
Van Fossan Associates	Newman #1	330° S 425° W NEc SW SW Frac. Sec. 19 10N 13W	Trenton	2846'	40	G.L. 595'
Gene Duncan & Herbert E. Fear	Baker #1-T	990° N 360° W SEc SW SW Frac. Sec. 30 10N 13W	Trenton	2880'	70	G.L. 592.5'
d/b/a Fear & Duncan Oil Producers						
Gene Duncan & Herbert E. Fear	Brosman #1-T	330° N 330° W SEc SW SE Sec. 30 10N 13W	Trenton	2870'	65	G.L. 599'
d/b/a Fear & Duncan Oil Producers	Thomas Coats #1	330° N 330° E SWc SE SE Sec. 30 10N 13W	Trenton	2910'	35	G.L. 595'
Gene Duncan & Herbert E. Fear	Gallatin-McClelland #2-T	339° N 385° E SWc NW SE SW Sec. 30 10N 13W	Trenton	2880'	40	G.L. 590.5'
d/b/a Fear & Duncan Oil Producers	Frank Morgan #1	330° S 330° E NWc SE SE Sec. 30 10N 13W	Trenton	2900'	38	G.L. 595'
Gene Duncan & Herbert E. Fear	Morgan #1-T	330° N 430° E SWc SE NE Sec. 30 10N 13W	Trenton	2870'	85	G.L. 597'
d/b/a Fear & Duncan Oil Producers	E. F. Newman Et al #1	595° S 330° E NWc SW NE Sec. 30 10N 13W	Trenton	2845'	72	G.L. 595'
Van Fossan Associates	Sharks & Morgan Farm #1A	330° N 330° E NWc SE NE Sec. 30 10N 13W	Trenton	3154'	38	G.L. 598.9'
Gene Duncan & Herbert E. Fear	Spraker #1-T	330° S 257° W NEc NW SW Sec. 30 10N 13W	Trenton	2870'	55	G.L. 572'
d/b/a Fear & Duncan Oil Producers	Thomas Coats #2	330° S 330° E NWc NE NE Sec. 31 10N 13W	Trenton	2910'	4	G.L. 599'
Gene Duncan & Herbert E. Fear	Belva Turner #1-A	330° S 990° E NWc NE SW Irr. Sec. 31 10N 13W	Trenton	2890'	33	G.L. 592'
d/b/a Fear & Duncan Oil Producers						
Trustee Under the Will of Marion Partlow, Deceased						
d/b/a Partlow & Cochinour						



M. C. Milam.	Washburn #2	330 S 660° E NW 1/4 Sec. 31 10N 13W	Trenton	2900'	32	G.L.597'
Van Fossan Associates.	Frank Morgan #1	470 N 330° W Sec. 24 10N 14W	Trenton	3060'	30	G.L.573'
Raymond A. Messman.	Frank Morgan #2	330 S 330° W Sec. 24 10N 14W	Trenton	2120'	30	G.L.549'
Raymond A. Messman.	Morgan Slater Unit #1	330 S 330° W Sec. 24 10N 14W	Trenton	2120'	30	G.L.549'
Jack Marking	John M. Zanetti	660 N 330° W Sec. 24 10N 14W	Penn.	365'	2	G.L.627'
John H. Ryan.	Belva Turner #6	1650 S 990° E NW 1/4 Sec. 4 11N 14W	Penn.	390.7'	3	G.L.653'
	Endsley #4	330 N 330° W Sec. SW Sec. 32 12N 14W	Miss.	320'	3	G.L.659'
CLAY COUNTY						
John M. Zanetti.	A. Bayler #2 A	330 N 330° W Sec. SW Sec. 2 2N 7E	Salem	3690'	35	G.L.451'
John M. Zanetti.	Mix #1 B	330 S 330° W Sec. 10 2N 7E	McClosky	3625'	20	G.L.436'
John M. Zanetti.	Shelton #5	660 N 330° W Sec. SW Sec. 13 2N 7E	Salem	3660'	35	G.L.443'
John M. Zanetti.	Hale-Henderson #1	330 N 330° W Sec. NE SW Sec. 14 2N 7E	Salem	3646'	384	G.L.446'
John M. Zanetti.	Hale-Henderson #2	330 N 330° E SW 1/4 Sec. 14 2N 7E	Aux Vases	3625'	75	G.L.442'
Hubert W. Rose.	Henderson #1	330 N 330° W Sec. SW Sec. 14 2N 7E	Aux Vases & McClosky	3608'	89	G.L.443'
John M. Zanetti.	Henderson #1	330 N 330° E SW 1/4 Sec. 14 2N 7E	Salem	3606'	330	G.L.445'
John M. Zanetti.	Henderson #2	330 S 330° W Sec. SW Sec. 14 2N 7E	Aux Vases	3025'	225	G.L.443'
John M. Zanetti.	Henderson #3	330 S 330° E NW 1/4 Sec. 14 2N 7E	Aux Vases	3605'	150	G.L.455'
John M. Zanetti.	Henderson #4	330 N 330° E SW 1/4 Sec. 14 2N 7E	Aux Vases	3010'	60	G.L.446'
Hubert W. Rose	G. Henderson #2	330 N 330° E SW 1/4 Sec. 14 2N 7E	Aux Vases	3028'	140	G.L.441'
John M. Zanetti.	A. Stanford #1	330 S 330° E NW 1/4 Sec. 14 2N 7E	Salem	4000'	100	G.L.441'
John M. Zanetti.	A. Stanford #2	330 N 330° E SW 1/4 Sec. 14 2N 7E	Aux Vases	3025'	50	G.L.437'
John M. Zanetti.	A. Stanford #4	330 N 330° E SW 1/4 Sec. 14 2N 7E	Aux Vases	3579'	90	G.L.444'
David E. Herley	James Buffington #1	430 N 365° W Sec. 15 2N 7E	McClosky	3613'	37	G.L.441'
Robert Hagen	McClosky Comm. #1	330 N 330° W Sec. NW Sec. 4 2N 8E	Salem	6192'	78	G.L.460'
GAB Oil Company, Inc.	Bull Run #1	330 N 330° W Sec. SW Sec. 9 2N 8E	Salem	3665'	10	G.L.441'
James A. Gray	Elmo #3	330 N 330° E NW 1/4 Sec. 10 2N 8E	Salem	3344'	15	G.L.427'
J. W. Rudy Company.	Henry R. Bissey #1	990 S 330° W Sec. NW Sec. 13 2N 8E	Rosiclar	3690'	283	G.L.461'
Union Oil Company of California	Eugene Henderson #3	990 S 330° E NW 1/4 Sec. 17 2N 8E	Cypress & McClosky	3699'	7	G.L.458'
Union Oil Company of California	Leon Clark #25	330 N 330° W Sec. NE Sec. 18 2N 8E	Salem	3690'	58	G.L.454'
Union Oil Company of California	W.S. Hosselton #6	330 N 330° W Sec. NE Sec. 18 2N 8E	Salem	3677'	90	G.L.453'
Franklin Oil Company, Inc.	D. Carder #1	330 S 330° E NW 1/4 Sec. 2 3N 7E	Rosiclar	2968'	19	G.L.438'
Shelby A. & Sylvia Britton	George Pass #1	330 N 330° W Sec. SW Sec. 15 3N 8E	McClosky	3128'	4	G.L.415'
Hubert W. Rose	Meyerholtz #1	330 S 330° W Sec. SW Sec. 16 3N 8E	McClosky	3614'	137	G.L.416'
Hubert W. Rose.	J.L. Padgett #1	330 S 960° W Sec. 17 3N 8E	Salem	3221'	35	G.L.421'
McKinney Oil Producer, Inc.	Arnold #2	330 S 330° W Sec. SW Sec. 17 4N 6E	McClosky	2800'	12	G.L.502'
McKinney Oil Producer, Inc.	Stanley #1	330 N 330° E SW 1/4 Sec. 17 4N 6E	McClosky	2800'	30	G.L.497'
McKinney Oil Producer, Inc.	Knoid #1	990 N 330° W Sec. NE NW Sec. 20 4N 6E	McClosky	2800'	50	G.L.502'
McKinney Oil Producer, Inc.	Knoid #1	330 N 330° W Sec. NE NW Sec. 20 4N 6E	McClosky	2879'	14	G.L.498'
Robert E. Trimpe	Conley #8	330 S 330° E NW 1/4 Sec. 13 4N 7E	Cypress	2608'	16	G.L.471'
Petro Search Associates, Inc.	Bushy Tooley #1	330 N 330° E SW 1/4 Sec. 35 4N 7E	Aux Vases	3010'	38	G.L.448'
Petro Search Assoc., Inc.	W. Keck #1P	660 N 990° E NW 1/4 Sec. 35 4N 7E	Aux Vases	3710'	26	G.L.448'
Black and Black Oil Co.	Herman Hirs #1 A	330 S 330° E NW 1/4 Sec. 15N 6E	Aux Vases	2883'	8	G.L.534'
Texaco, Inc.	North Bible Grove Unit Tract 10 #6	330 S 330° W Sec. 4 5N 7E	Weiler II	3822'	1 1/2	G.L.533'

## PRODUCING WELLS COMPLETED IN 1977

OPERATOR	WELL NAME & NO.	LOCATION	FORMATION	TOTAL DEPTH	EST. IP DAILY	ELEV.
Texaco, Inc.	North Bible Grove Unit Tract 20 #8	660 S 330°W NEc NW Sec. 9 5N 7E	Weiler	2520'	14	GL 528'
Texaco, Inc.	North Bible Grove Unit Tract 21 #8	990 S 660°W NEc NW Sec. 10 5N 7E	Weiler B II	2525'	4	GL 524'
Bob Hatfield	Ross-Silling #1	330°N 660°W SEc NW NW Frac. Sec. 30 5N 7E	Rosiclare	2880'	120	GL 506'
Charles H. Stephens	H.C. Bahl #2	330°N 330°E SWc SE Sec. 30 5N 8E	Cypress	3500'	84	GL 451'
CLINTON COUNTY						
Leonard Fields	Aster Fields Comm. #1 A	330°S 330°W NEc SE SW Sec. 23 1N 1W	Cypress	1496'	1	GL 467'
John F. Dummil	Allen Jobe #1	330°N 990°E SWc NW Sec. 12 1N 3W	Silurian	2616'	11	GL 420'
Leland Munken	Hempden et al #2	390°S 570°W NEc NW NE Sec. 10 2N 3W	Cypress	1050'	4	GL 464'
COLES COUNTY						
Harry J. Adams	E. Ganley #2-0	330°S 430°E NWc Sec. 2 1N 7E	Salem	2260'	5	GL 755'
Safari Oil Company	Gray #2A	330°S 430°W NEc SE Sec. 3 1N 7E	Salem	2273'	22	GL 770'
James R. Covington	Watson-L.C.G.R.R. Community #1-S	990°S 660°W NEc Sec. 3 1N 7E	Salem	2245'	12	GL 750'
James R. Covington	Oliver #6-C	330°S 330°E SWc SE Sec. 2 1N 7E	Cypress	1934'	52	GL 687'
Energy Producers, Inc.	Jennings #1	330°N 330°E SWc SE NW Sec. 26 12N 7E	McClary	2188'	25	GL 724'
Harvey L. Washburn	Harvey Washburn #1 W	330°S 430°E NWc SE Sec. 16 13N 14W	Penn.	424'	3	GL 686'
CRAWFORD COUNTY						
Don H. Baldwin	Landrith #1	330°S 330°E NWc SE Sec. 3 5N 11W	Penn.	1035'	25	GL 553'
Hocking Oil Company, Inc.	W. E. Seanev #1	330°S 330°W NEc SW Sec. 3 5N 11W	Penn.	1074'	5	GL 520'
W. C. Siddons	Harlen Shannon #6	800°S 330°W NEc NW SE Sec. 3 5N 11W	Robinson	1003'	15	GL 535'
W. C. Siddons	Harlen Shannon #7	330°S 330°E NWc SE Sec. 3 5N 11W	Robinson	1000'	4	GL 531'
W. C. Siddons	Harlen Shannon #8	330°S 330°W NEc NW SE Sec. 3 5N 11W	Robinson	1005'	4	GL 536'
W. C. Siddons	Harlen Shannon #9	330°S 330°W NEc NW SE Sec. 3 5N 11W	Robinson	1042'	45	GL 549'
W. C. Siddons	Harlen Shannon #10	990°S 330°E NWc W/2 SW Sec. 4 5N 12W	Robinson	1948'	10	GL 523'
W. C. Siddons	Harlen Shannon #11	330°S 330°E NWc NW Sec. 6 5N 12W	Trenton	4115'	24	GL 468'
W. C. Siddons	Harlen Shannon #12	330°S 330°E NWc NW Sec. 9 5N 12W	Robinson	1280'	Gas	GL 518'
W. C. Siddons	Harlen Shannon #13	990°S 330°E NWc NE SW Sec. 12 5N 12W	Robinson	978'	2	GL 513'
W. C. Siddons	Harlen Shannon #14	330°S 330°W NEc NW NW Sec. 1 5N 13W	Penn.	1295'	24	GL 440'
W. C. Siddons	Harlen Shannon #15	330°S 330°E NWc NW NW Sec. 1 5N 13W	Trenton	4004'	52	GL 440'
W. C. Siddons	Harlen Shannon #16	330°S 380°E NWc NE SW Sec. 1 5N 13W	Trenton	4052'	56	GL 451'
W. C. Siddons	Harlen Shannon #17	380°S 330°W NEc SE Sec. 2 5N 13W	Penn.	1325'	30	GL 439'
W. C. Siddons	Harlen Shannon #18	1680°S 1000°W NEc SE Sec. 2 5N 13W	Penn.	1411'	Gas	GL 438'
W. C. Siddons	Harlen Shannon #19	330°N 330°W NEc SE Sec. 2 5N 13W	Penn.	1410'	5	GL 436'

[illegible]

# PRODUCING WELLS COMPLETED IN 1977

OPERATOR	WELL NAME & NO.	LOCATION	FORMATION	TOTAL DEPTH	EST. IP DAILY	ELEV.
Doyle Sharratt, Ada Sharratt, C. L. Glover, Belton Y. Glover d/b/a Bellair Oil Co.	Richards-Novosel #2	330° S 330° E NW¼ Sec. 32 8N 12W	Robinson	1018'	3	G.L.576.2'
Doyle Sharratt, Ada Sharratt, C. L. Glover, Belton Y. Glover d/b/a Bellair Oil Co.	Richards-Novosel #3	330° N 330° W Sec. NE SW Sec. 32 8N 12W	Robinson	1080'	12	G.L.584'
Doyle Sharratt, Ada Sharratt, C. L. Glover, Belton Y. Glover d/b/a Bellair Oil Co.	Richards-Novosel #4	990° S 990° W Sec. SW Sec. 32 8N 12W	Robinson	1084'	6	G.L.576'
Daniel R. Leavell d/b/a Used Oil Field Equipment.	Clarence L. Schutte #8	330° S 330° E NW¼ Sec. 32 8N 12W	Robinson	1080'	3	G.L.581.3'
Daniel R. Leavell d/b/a Used Oil Field Equipment.	Clarence L. Schutte #9	297° N 330° E SW¼ NW Sec. 32 8N 12W	Robinson	1080'	3	G.L.569.2'
Daniel R. Leavell d/b/a Used Oil Field Equipment.	Schutte-Biddle #1	330° N 330° E SW¼ NE Sec. 32 8N 12W	Robinson	1066'	4	G.L.590'
Daniel R. Leavell d/b/a Used Oil Field Equipment.	Schutte-Biddle #3	330° N 330° W Sec. SW NE Sec. 32 8N 12W	Robinson	1080'	3	G.L.586'
EDGAR COUNTY						
Earnest Zink.	Bright #1	330° N 330° W Sec. NE Sec. 5 12N 13W	Penn.	535'	Gas	G.L.785'
Earnest Zink.	Bright #2	330° N 330° E SW¼ SE NE Sec. 5 12N 13W	Penn.	550'	Gas	G.L.780'
Earnest Zink.	Heltsley #2	330° N 380° W Sec. NW SE Sec. 5 12N 13W	Penn.	552'	Gas	G.L.810'
Earnest Zink.	Pinnell #4	990° N 330° W Sec. SW Sec. 5 12N 13W	Penn.	505'	Gas	G.L.795'
Earnest Zink.	Wheeler #5	370° N 330° E SW¼ SE Sec. 11 12N 14W	Penn.	465'	Gas	G.L.770'
Earnest Zink.	Wheeler-Leming Comm. #1	990° N 330° W Sec. SW SE Sec. 11 12N 14W	Penn.	465'	Gas	G.L.700'
Earnest Zink.	Zink #1	990° N 330° E SW¼ NE NW Sec. 14 12N 14W	Penn.	438'	Gas	G.L.740'
Earnest Zink.	Wheeler #4	990° N 330° E SW¼ NE NW Sec. 14 12N 14W	Penn.	305'	Gas	G.L.710'
Earnest Zink.	Wheeler #6	990° S 330° E NW¼ NE Sec. 14 12N 14W	Penn.	450'	Gas	G.L.685'
Dorothy A. Hengeman, Executive for the estate of (Deceased)	Brinkerhoff "C" #5	660° S 660° E NW¼ NE Sec. 10 13N 13W	Penn.	438'	3	G.L.695'
Walter Hennigan.	Grafton #1	330° N 660° E SW¼ SE Sec. 11 13N 14W	Penn.	362'	Gas	G.L.690'
Earnest Zink.						
EDWARDS COUNTY						
Spartan Petroleum Company	Leonard Garman #2	330° S 380° E NW¼ SE SE Sec. 22 1N 10E	Warsaw	4173'	45	G.L.495'
Spartan Petroleum Company	Harris Community #2	370° N 330° W Sec. NW SW Sec. 22 1N 10E	McClosky	3320'	20	G.L.470'
Spartan Petroleum Company	Maves Unit #1	330° N 430° E SW¼ NE Sec. 22 1N 10E	McClosky	4190'	20	G.L.470'
Spartan Petroleum Company	Weber Heins #1	330° N 330° W Sec. NW SE Sec. 22 1N 10E	Salem	4200'	20	G.L.480'
Independent Oil Company	Calvin King #1	330° N 330° E SW¼ SE Sec. 23 1N 10E	McClosky	4200'	75	G.L.504'
Spartan Petroleum Company	Robert Koertge #1	330° N 660° E SW¼ NW Sec. 23 1N 10E	McClosky	4126'	25	G.L.477'
Spartan Petroleum Company	Cleatus Satterthwaite #1	330° S 400° E NW¼ NE Sec. 27 1N 10E	McClosky	3349'	55	G.L.477'
Spartan Petroleum Company	Schuh Community #1	330° S 330° E NW¼ NE NE Sec. 27 1N 10E	McClosky	4170'	45	G.L.483'
Bennett #2	Bennett #2	330° S 990° E NW¼ SE Sec. 29 1N 10E	McClosky	3200'	39	G.L.394'
Frank Yockey.	Clyde Hedrick #1	990° S 330° E NW¼ NE SE Sec. 6 1N 14W	Aux Vases	4034'	70	G.L.472'
Viking Oil Company.	Frank Yockey.	330° S 495° E NW¼ SE SE Sec. 31 2N 14W	O'Hara	2442'	5	G.L.475'
Western Oils, Ltd.	Frank Bierhaus #2		Tar Springs			

Louis A. Passina	Harriet Seacat #1 A	330° S 330° E NW 1/4 SW Sec. 31 15 14W	O'Hara Salem	3600'	8	G.L. 396'
Ram Oil Company	Hallie Flick #2	330° S 330° W NE 1/4 SW Sec. 30 15 14W	Rosiclar	3140'	5	G.L. 396'
Saber Oil Construction & Operating Company	City of Albion Community #1	330° S 330° E NW 1/4 NW Sec. 12 25 10E	O'Hara	3190'	48	G.L. 471'
Tri-Star Producing Co., Inc.	Woods #1	330° S 330° E NW 1/4 SE Sec. 18 25 10E	Aux Vases	5425'	125	G.L. 429'
Tri-Star Producing Co., Inc.	Snowdall #1	660° S 60° W NE 1/4 SE NW Sec. 31 25 10E	Aux Vases	3365'	21	G.L. 380'
Tri-Star Producing Co., Inc.	Shoemaker #2 A	430° S 330° E NW 1/4 SW Sec. 27 25 14W	Cypress	2925'	40	G.L. 476'
Tri-Star Producing Co., Inc.	Cowling #3 A	760° S 1120° E NW 1/4 NE Sec. 28 25 14W	Benoist	2930'	70	G.L. 421'
Tri-Star Producing Co., Inc.	Hoover #2	330° S 660° W NE 1/4 NW Sec. 9 35 10E	O'Hara	3277'	20	G.L. 393'
EFFINGHAM COUNTY						
Ladd Petroleum Corporation	Jarvis Unit Tract #2 3A	330° N 380° W SE 1/4 SW NE Sec. 34 6N 5E	McClosky			
Black and Black Oil Co.	Mellendorf #1	330° N 330° E SW 1/4 SE Sec. 36 6N 6E	Rosiclar	2450'	20	G.L. 545'
W. L. Belden	Dry Bros. #2	330° S 330° E NW 1/4 SE NW Sec. 6 8N 4E	Aux Vases	1789'	7	G.L. 532'
Tri-Star Producing Co., Inc.	Dry Bros. #1	330° S 330° E NW 1/4 NE NW Sec. 6 8N 4E	Devonian	3191'	22	G.L. 610'
Tri-Star Producing Co., Inc.	Lilly #1	330° S 330° E NW 1/4 NE NW Sec. 6 8N 4E	Devonian	3170'	71	G.L. 616'
M. L. Niemeyer	Lecrone-Doty #1	330° N 380° E SW 1/4 SE NW SW Sec. 7 8N 4E	Devonian	3295'	5	G.L. 594.1'
John Carey Oil Co., Inc.	John Larimore #1	330° N 330° W SE 1/4 SW Sec. 30 9N 4E	Lingle	3140'	9	G.L. 607.7'
Tri-Star Producing Co., Inc.	Miller-Larimore #1	360° N 405° W SE 1/4 SW Sec. 30 9N 4E	Salem	3198'	97	G.L. 634'
Tri-Star Producing Co., Inc.	Jenner #2	330° N 330° W SE 1/4 SW Sec. 30 9N 4E	Devonian	3700'	100	G.L. 611.11'
Tri-Star Producing Co., Inc.	Matson #1	990° N 660° E SW 1/4 NE Sec. 31 9N 4E	Devonian	3146'	84	G.L. 620'
Tri-Star Producing Co., Inc.	Maxfield #2	355° N 660° E SW 1/4 NE Sec. 31 9N 4E	Devonian	3172'	300	G.L. 611.2'
Tri-Star Producing Co., Inc.	Maxfield #3	330° S 660° E NW 1/4 SE Sec. 31 9N 4E	Sylamore	3109'	50	G.L. 605.8'
Tri-Star Producing Co., Inc.	Maxfield #4	330° S 660° E NW 1/4 SE Sec. 31 9N 4E	Devonian	3172'	100	G.L. 614.6'
W. T. Frederick	Perkins Et al #1	522° N 375° E SW 1/4 SE NW Sec. 31 9N 4E	Devonian	3114'	80	G.L. 609.3'
Tri-Star Producing Company, Inc.	Ryan #1	330° N 330° E SW 1/4 SE NW Sec. 31 9N 4E	Sturton	3132'	5	G.L. 615.3'
			Devonian	3308'	93	G.L. 608.4'
FAYETTE COUNTY						
W. L. Belden	B. F. Owen #6	330° S 380° W NE 1/4 NW SW Sec. 9 7N 3E	Paint Creek	1768'	6	G.L. 560'
Exxon Corporation	Lewis Ripley #16	415° S 623° W NE 1/4 NW NW Sec. 29 7N 3E	Aux Vases	3083'	Prod	G.L. 595'
Marion F. Miller	Doty Heirs #1	330° N 330° E SW 1/4 SE Sec. 1 8N 3E	Devonian	3177'	10	G.L. 602'
Exxon Corporation	A.W. St. Pierre #1	365° S 365° E NW 1/4 NW Sec. 1 8N 3E	Bethel, Paint Creek, Weiler	1672'	18.1	D.F. 628'
Exxon Corporation	A.W. St. Pierre #3	330° N 330° W SE 1/4 NE NW Sec. 1 8N 3E	Creek, Bethel	1547'	26	G.L. 607'
Exxon Corporation	A.W. St. Pierre #4	330° N 330° E SW 1/4 NW NE Sec. 1 8N 3E	Weiler, Paint Creek, Bethel	1664'	7	G.L. 607'
Exxon Corporation	Silas Buzzard #1	330° N 330° W SE 1/4 NE Sec. 3 8N 3E	Paint Creek	1636'	29	G.L. 599'
Exxon Corporation	Tom Wright #4	330° N 330° W SE 1/4 SE Sec. 20 8n 3E	Bethel			
M. L. Niemeyer	Delassus #1	330° S 330° E NW 1/4 SW SE Sec. 34 8N 3E	Aux Vases	1585'	24	D.F. 578'
Louis H. Kapp, Jr.	Crode Hills #1	330° S 330° E NW 1/4 SE Sec. 27 9N 3E	Bethel	3280'	Gas	G.L. 605'
Time Oil, Inc.	Woods Buzzard #1	330° S 330° E NW 1/4 NW SW Sec. 36 9N 3E	Devonian	3237'	20	520.2'
Time Oil, Inc.	Woods Buzzard #3	330° N 380° E SW 1/4 NW NW Sec. 36 9N 3E	Paint Creek	1654'	Show	G.L. 614.45'
			Paint Creek	1667'	Show	G.L. 619'

## PRODUCING WELLS COMPLETED IN 1977

OPERATOR	WELL NAME & NO.	LOCATION	FORMATION	TOTAL DEPTH	EST. PRO. DAILY	ELEV.
<b>FRANKLIN COUNTY</b>						
Fletcher F. Farar	Leonard Wrigles #2	1650'S 330'W NEc NW Sec. 35 5S 1E	Aux Vases	3450'	25	G.L.489'
Fletcher F. Farar	Leonard Wrigles #3	330'S 330'W NEc NW Sec. 35 5S 1E	Aux Vases	3465'	20	G.L.487'
C. E. Brehm Drilling & Producing	Falger #1	330'N 330'E SWc SE NW Sec. 1 5S 3E	Salem & Warsaw	3989	35	G.L.493'
C. E. Brehm d/b/a	Pearce #1-A	990'N 330'E SWc NW Sec. 1 5S 3E	Warsaw	3972'	30	G.L.473'
C. E. Brehm Drilling & Producing	Slamans Comm. #1	330'S 330'W NEc NW NW Sec. 1 5S 3E	Warsaw	3978'	35	G.L.479'
C. E. Brehm d/b/a	Bean Community #1	330'N 330'E SWc SE SW Sec. 2 5S 3E	Salem	3980'	5	G.L.473'
C. E. Brehm Drilling & Producing	Clayton Heirs Comm. #3	330'S 330'W NEc NE Sec. 2 5S 3E	Warsaw	3960'	30	G.L.458'
C. E. Brehm Drilling & Producing	Clayton Heirs Comm. #4	660'S 660'E NWc NE Sec. 2 5S 3E	Warsaw	3950'	10	G.L.449'
C. E. Brehm Drilling & Producing	Dreman Et al #1	380'N 330'W SEc SW SE Sec. 2 5S 3E	Salem	3968'	50	G.L.460'
C. E. Brehm d/b/a	Manis #1	330'S 380'W NEc SE SE Sec. 2 5S 3E	Warsaw	3980'	50	G.L.483'
C. E. Brehm Drilling & Producing	Stone Comm. #1	330'S 330'E NWc NE SE Sec. 2 5S 3E	Warsaw	3970'	60	G.L.470'
C. E. Brehm d/b/a	Stone Comm. #2	330'N 330'W SEc NW SE Sec. 2 5S 3E	Warsaw	3972'	60	G.L.470'
H. & H. Oil Company, Inc.	Carrater #2	384'S 190'W NEc SE SW Sec. 19 5S 3E	St. Louis	3803'	140	G.L.444'
C. E. Brehm d/b/a	Ingram #A-1	330'S 330'W NEc SW NE Sec. 16 5S 4E	Warsaw	4003'	5	G.L.440'
C. E. Brehm Drilling & Producing	Threlkeld #2	330'S 990'E NWc Sec. 16 5S 4E	Warsaw	3968'	25	G.L.426'
C. E. Brehm Drilling & Producing	Order Comm. #1	330'S 330'W NEc Sec. 17 5S 4E	Warsaw	3975'	6	G.L.433'
C. E. Brehm Drilling & Producing	Burlington Northern Greenwood #1	440'S 1720'W NEc NE Sec. 2 6S 1E	Devonian	4492'	35	G.L.453'
<b>GALLATIN COUNTY</b>						
Henry Absher d/b/a Asher Oil Co.	C. H. Boyd #3	330'N 380'W SEc SW NW Sec. 23 7S 9E	Tar Springs	2418'	2	G.L.389 5'
Henry Absher d/b/a Asher Oil Co.	C. H. Boyd #4	330'S 830'E NWc SW NW Sec. 23 7S 9E	Cypress	2890'	5	G.L.386
George N. Mitchell Drilling Contractor	Downen #1	330'N 330'W SEc SW NW Sec. 4 8S 10E	Aux Vases	3010'	30	G.L.340'
George N. Mitchell Drilling Contractor	Van Tury #4	330'S 330'E NWc NW NW Sec. 19 8S 10E	Cypress	2819'	20	G.L.319
Paul Knight	George Golden #3-A	295'N 350'W SEc NE NW Sec. 32 8S 10E	Penn.	815'	5	G.L.350
<b>HAMILTON COUNTY</b>						
Petroleum Management, Inc.	C. F. Rebstock #2 1A	330'N 330'E SWc NW Sec. 26 4S 7E	McClosky	3521'	4	D. F. 430'

Juniper Petroleum Corporation	Clark, Meneghin #47-34	330° S 330° W NEc SE SW Sec. 34 5S 5E	O'Hara, St. Louis, Warsaw	4275' 4454' 4454' 4278' 4270' 4250' 4446' 4286' 4300'	89 11 20 108 14 100 100 50	GL 521' GL 520' GL 374' GL 366' GL 367' GL 365' GL 365'
Juniper Petroleum Corporation	Clark Et al #31-3	330° S 330° E NWc NE NW Sec. 3 6S 5E	Warsaw	4275'	89	GL 521'
Duke Resources Corporation	Short-Barker #1	330° N 330° E SWc NW SW Sec. 26 6S 7E	Warsaw	4454'	11	GL 520'
Duke Resources Corporation	Bonan #1	660° S 990° E NWc SW Sec. 27 6S 7E	Warsaw	4278'	20	GL 374'
Duke Resources Corporation	English #1	330° N 330° E SWc NE Sec. 27 6S 7E	Warsaw	4270'	108	GL 366'
Duke Resources Corporation	Van Winkle #2	330° S 660° W NEc SE SW Sec. 27 6S 7E	Salem	4250'	14	GL 367'
Duke Resources Corporation	Short-Woody #1	330° S 660° E NWc NE NW Sec. 34 6S 7E	Warsaw	4446'	100	GL 365'
Duke Resources Corporation	Short-Woody #2	330° S 660° W NEc NW NE Sec. 34 6S 7E	Warsaw	4286'	100	GL 365'
JASPER COUNTY				4300'	50	GL 365'
Charles H. Tibbs	J.W. McConnell #1-B	330° N 330° E SWc NW SW Sec. 6 5N 10E	Rosiclare	3060'	90	GL 530'
d/b/a W.A.H.A. Company	Hinkel-Warsbaugh #1	330° N 330° W Sec SW NW Sec. 11 5N 10E	McClusky	2888'	14	GL 477'
Laholl, Inc.	C.E. Bruner #2	330° S 330° W NEc SE NE Sec. 1 6N 10E	McClusky	2720'	81	GL 496'
George Parish d/b/a	Sam Bigard #2A	660° N 330° E SWc SE Sec. 6 6N 11E	McClusky	2741'	9	DF 509'
Parish Production Company	C. Chapman #1	330° N 330° W Sec SW Sec. 6 6N 11E	McClusky	2740'	6	DF 502'
J.E. St. Pierre & George Loving	Postlewait #2	330° S 330° E NWc Sec. 6 6N 11W	St. Louis	2694'	3	GL 487'
Robert B. Britton	Goelter #1	488° N 330° E SWc Sec. 31 7N 11E	McClusky	2758'	28	GL 487'
George Parish d/b/a						
Parish Production Company						
JEFFERSON COUNTY						
R.L. Burns Corporation	J.J. Branson #14-1	660° N 330° E SWc SE SW Sec. 14 1S 4E	Salem	3550'	22	GL 494'
Jack Hobson & T.J. Hobson	Craig #1	330° N 330° W Sec SW NE Sec. 15 1S 4E	Salem	3430'	50	GL 491'
d/b/a Hobson Oil Company						
Jack Hobson & T.J. Hobson	Craig #2	330° S 330° W NEc SW NE Sec. 15 1S 4E	Salem	3630'	45	GL 500'
Louis H. Kapp, Jr.	Warren Et al #1	330° S 330° E NWc SE SE Sec. 18 1S 4E	Salem	3420'	120	GL 511'
R.L. Burns Corporation	Weaver #23-1	330° S 330° W NEc NW Sec. 23 1S 4E	Salem	3553'	23	GL 497'
The Stone Oil Company	Lora Donoho #5	330° N 330° W NEc NE Sec. 24 1S 4E	Salem	3607'	45	GL 504'
Van Fossen Associates	Doyel Gay #1	330° S 330° W NEc SE Sec. 24 1S 4E	Salem	3650'	Trace	GL 508'
Albert Gentles	Rufus Youngblood #1	330° S 330° W NEc SE Sec. 24 1S 4E	Salem	3560'	212	GL 506'
Albert Gentles	Gee #4	330° S 660° W NEc SE SW Sec. 6 3S 3E	McClusky	2839'	12	GL 477'
Albert Gentles	Gee #5	330° S 660° W NEc NW Sec. 7 3S 3E	McClusky	2617'	22	GL 450'
LAWRENCE COUNTY						
Marathon Oil Company	R.T. Gillespie A/C 1 #21	660° N 660° W SEc NW Sec. 16 3N 12W	Buchanan	1455'	6	GL 472'
Marathon Oil Company	John Swail #33	660° S 660° E NWc SE SW Sec. 16 3N 12W	Buchanan	1485'	7	GL 464'
Marathon Oil Company	John Dyer #20	575° N 660° W Sec NW Sec. 17 3N 12W	Buchanan	1364'	6	GL 486'
Marathon Oil Company	W.E. Finley #60	660° N 660° E SWc NW SW Sec. 17 3N 12W	Buchanan	1480'	Prod	GL 491'
G.O. Chapman & Tom L. Smith	Griggs Heirs Comm. #1	330° N 990° E SWc SE Sec. 12 3N 13W	Rosiclare	2091'	5	GL 505'
d/b/a Bridgeport Drilling Co.	J.B. Lewis #79	660° N 727° E SWc Sec. 29 4N 12W	Trenton	5130'	11 4	GL 522'
Marathon Oil Company						
MACON COUNTY						
Triple "G" Oil Company Ltd	Nola Mae Hockaday #1	330° N 330° W Sec SW NE Sec. 23 17N 2E	Siluran	2156'	6	GL 675'
Triple "G" Oil Company Ltd	Phillips #4	330° N 330° W Sec NW SE Sec. 23 17N 2E	Siluran	2170'	55	GL 680'

## PRODUCING WELLS COMPLETED IN 1977

OPERATOR	WELL NAME & NO.	LOCATION	FORMATION	TOTAL DEPTH	EST. IP DAILY	ELEV.
MACOUPIN COUNTY						
I. R. Bennett	Schreier #4-A	30° S 51° W NEc SE SW NE Sec. 16 7N 7W	Perm.	498'	2	G.L. 630'
MARION COUNTY						
Texaco, Inc.	Salem Unit O/A Tract 148 (Ed Tate) #17	355° N 330° W SEc NW NW Sec. 5 1N 2E	Salem	2205'	31	G.L. 508'
Texaco, Inc.	Salem Unit O/A Tract 150 (J. O. Richardson) Well #13	355° S 330° E NWc SE NW Sec. 5 1N 2E	Salem & Devonian	3480'	135	D.F. 531'
Texaco, Inc.	Salem Unit Tract 186 Well #10 (W. B. Carr "B")	70° S 590° W NEc Sec. 7 1N 2E	Devonian	3417'	58	G.L. 517.8'
Texaco, Inc.	Salem Unit Tract 187 #31 (G. S. Johnson "A")	1350° S 660° W NEc Sec. 7 1N 2E	Devonian	3515'	103	G.L. 529.10'
Ego Oil Co., Inc.	J. William Blankenship #1-A	330° N 330° E SWc SE NW Sec. 25 1N 3E	St. Louis & Rosiclere	3364'	19.85	G.L. 540'
Van Fossan Associates	John Carter #1	350° S 330° W NEc SE Sec. 23 1N 4E	Salem	3500'	22	G.L. 439'
Texaco, Inc.	Salem Unit O/A Tract 34 (M. Young Heirs)	1019° N 382° W SEc SW Sec. 20 2N 2E	Salem	3678'	4	D.F. 536'
Texaco, Inc.	Salem Unit O/A Tract 76 (J. Chapman) Well #22	298° S 353° E NWc NE SW SW Sec. 28 2N 2E	Devonian	3476'	44	D.F. 515'
Texaco, Inc.	Salem Unit O/A Tract 57 (F. M. Lee "B") Well #12	380° N 280° E SWc SE NE Sec. 29 2N 2E	Devonian	4621'	44	D.F. 530'
Texaco, Inc.	Salem Unit O/A Tract 120 (L. Manning "A") Well #14	280° S 330° W NEc NW SE Sec. 31 2N 2E	Devonian	4585'	162	D.F. 479'
Fred Seip	L. P. Hill #1	330° S 990° E NWc SW SW Sec. 26 4N 1E	Cypress	1372'	25	G.L. 517'
MONTGOMERY COUNTY						
J. W. Miloncus d/b/a M & N Oil Co.	Street #1-A	330° N 330° W SEc SW NE Sec. 31 11N 5W	Portsville	617'	247	G.L. 630.3'
RANDOLPH COUNTY						
John W. Kelly	Boyd #1	318° S 345° E NWc NW SW Sec. 6 4S 5W	Devonian	2129'	8	G.L. 513'
Elmer Oelze, Jr.	Hake #1	330° S 330° E NWc NE NE Sec. 12 4S 6W	Silurian	2135'	3	G.L. 485'
Elmer Oelze, Jr.	Virgil Hoffman #1	400° N 330° W SEc SE NW Sec. 12 4S 6W	Silurian	2109'	50	G.L. 499'
Elmer Oelze, Jr.	Hoffman #1-A	330° S 470° W NEc NE NW Sec. 12 4S 6W	Silurian	2109'	50	G.L. 499'
Elmer Oelze, Jr.	Patton #1	350° S 385° E NWc SW NE Sec. 12 4S 6W	Silurian	2141'	8	G.L. 470'
RICHLAND COUNTY						
Hudson-Mansfield & Helm Petroleum Union Oil Company of California	Poff #1	330° S 330° W NEc NE SE NW Sec. 6 2N 9E	Aux Vases	2952'	10	G.L. 427'
Spanan Petroleum Company	Colburn Cons.-John O. Coen #48	890° N 680° E SWc Sec. 4 3N 9E	McClosky	2998'	6	D.F. 490'
	Pitts Community #1	990° N 330° E SWc SE SE Sec. 32 3N 10E	McClosky	3920'	20	G.L. 446'



Dr. Kent L. Wartleworth & Walter L. Bunn, d/b/a Wartleworth & Bunn.	W. Cleaver #1	330°N 330°E SWc SE Sec. 32 3N 14W	Rosciare	3190'	15	G.L.476'
Union Oil Company of California.	C. A. Bower #A-4	380°S 330°W NEc NW Sec. 25 4N 9E	McClosky	2972'	16	G.L.409'
Union Oil Company of California.	East W.A.M. Cons. C. A. Bower-A#5.	330°S 330°E NWc SE NW Sec. 25 4N 9E	McClosky	2975'	13	G.L.484.5'
Union Oil Company of California.	Howard Cazal #B-5.	330°S 330°W NEc NW Sec. 25 4N 9E	McClosky	3023'	8	G.L.498.5'
Rector & Stone Drilling Co.	Rennier Community #1	330°S 330°W NEc SE NE Sec. 16 4N 14W	Aux Vases	3873'	4	G.L.563'
			McClosky			
SALINE COUNTY						
Roy W. Powers	Mary E. Reynolds #1	720°N 330°W SEc NE SE Sec. 27 8S 5E	Cypress	3054'	10	440.8'
Exxon Corporation	Ernest H. Patton #2	330°S 330°E NWc Sec. 14 8S 7E	Palestine	2142'	Gas	G.L.410'
Petro-Search Assoc., Inc.	Sutton #1P	330°S 330°E NWc NE SW Sec. 28 8S 7E	Sutton Cavern	421'	Gas	G.L.382'
WABASH COUNTY						
M & M Oil Company	Yelch et al #1	387°N 400°E SWc Sec. 8 1N 11W	O'Hara	2110'	962	G.L.396'
Raymond Brinkley	L. C. Stevens #3	330°S 1650°W NEc SE SW Sec. 16 1N 12W	O'Hara	3040'	8	G.L.419'
Raymond Oil Co.	Whiteside #1	330°S 1650°E NWc Sec. 21 1N 12W	St. Louis	3016'	8	G.L.419'
Whiteside Oil Co.	Whiteside Unit Armstrong #1	330°N 660°W SEc NW Sec. 24 1N 12W	Bieh	1492'	3	G.L.450'
Farmers Petroleum Cooperative, Inc.	Tennies "B" Unit #1	330°S 742°E NWc Sec. 8 1S 12W	Warsaw	3117'	20	G.L.419'
Olds Oil & Chemical Corp.	Risley et al Community #1	330°S 330°W NEc NW Sec. 19 1S 12W	Cypress	3088'	20	G.L.446'
Rush Creek Oil Company, Inc.	John E. Raber #1	330°N 660°E SWc NW Sec. 21 1S 13W	Benoist	2569'	3	G.L.395'
Gilbert A. Higgins	Clarence Schmidt #3	340°N 330°E SWc SE NW Sec. 34 1S 14W	Cypress	2744'	15	G.L.395'
Hocking Oil Co., Inc.	Kennard Heirs #1	1530°S 330°W NEc NW Sec. 19 2S 13W	Bieh	1705'	25	G.L.403'
Hocking Oil Company, Inc.	Riley Heirs et al Unit #1	330°N 1550°E SWc NE Sec. 22 2S 13W	Salem	3410'	16	G.L.384'
Hocking Oil Company, Inc.	Fred Hocking #1	990°S 330°E NWc SE Sec. 22 2S 13W	Salem	3375'	30	G.L.387'
Hocking Oil Company, Inc.	Walter Boserker #1	330°S 330°W SEc SW Sec. 11 2S 14W	O'Hara	3475'	15	G.L.383'
Hocking Oil Company, Inc.	Herman Dunkel #1	330°N 330°W SEc NW Sec. 14 2S 14W	Rosciare	3660'	120	G.L.399'
Hocking Oil Company, Inc.	Shain-Dunkel Unit #1	330°S 330°E NWc Sec. 14 2S 14W	Salem	3860'	23	G.L.399'
Hocking Oil Company, Inc.	Earl Raber #1	360°S 330°E NWc Sec. 23 2S 14W	Salem &	3729'	15	G.L.394'
Hocking Oil Company, Inc.	Everett Leavens #1	330°S 330°E NWc SW NE Sec. 26 2S 14W	Salem	3910'	Show	G.L.391'
			Waterburg	2122'	40	G.L.382'
WASHINGTON COUNTY						
Elmer Oeize, Jr.	Hoffman #1	940°N 330°W SEc SW SE Sec. 12 3S 2W	Benoist	1361'	9	G.L.513'
WAYNE COUNTY						
Union Oil Company of California.	Sejso E.M. Barrett #1	555°N 655°W SEc NW Sec. 11 1N 7E	Aux Vases	3093'	10	G.L.417'
Booth Oil Company, Inc.	Beckel #1	330°N 330°W SEc NW NE Sec. 23 1N 7E	McClosky	3186'	38	G.L.446'
Richard W. Reeson	Harold Barnard #5	330°S 330°E NWc SE SW Sec. 35 1N 7E	Rosciare	3140'	30	G.L.448'
Richard W. Reeson	Harold Barnard #5	330°S 330°E NWc SE NW Sec. 35 1N 7E	Rosciare	3105'	79	G.L.415'
Republic Oil Company, Inc.	Shackelford #4	330°N 660°E SWc NE SW Sec. 2 1N 8E	McClosky	3365'	35	G.L.469'
Partlow & Cochenour	D & K Billington et al #1	330°N 330°E SWc SE NE Sec. 11 1N 8E	Salem	3614'	60	G.L.495'
C. R. Cochenour & Marion Partlow	Trustee Under the Will of					
Manon Partlow, Deceased	Vic Frohning #1	330°S 450°W NEc SW SE Sec. 11 1N 8E	Salem	3612'	60	G.L.457'
d/b/a Partlow & Cochenour.			McClosky			

## PRODUCING WELLS COMPLETED IN 1977

OPERATOR	WELL NAME & NO.	LOCATION	FORMATION	TOTAL DEPTH	EST. IP DAILY	ELEV.
C. R. Coconour & Marion Partlow, Trustees Under the Will of Marion Partlow, Deceased d/b/a Partlow & Coconour.	L. Grubb #1	660 S 330°W NEc SW Sec. 22 2N 8E	Salem	3597'	40	G.L.462'
Black Hawk Resources Corporation	Wilkin Et al #64-11	330°N 330°W Sec SW NE Sec. 21 1N 8E	Salem	3850'	84	G.L.466'
Union Oil Company of California	J. O. Van Fossen A (B) #2	660°N 685°W Sec NW NE Sec. 23 1N 8E	Salem	3700'	53	G.L.451'
Booth Oil Company, Inc.	Cook #5-A	380°N 960°W Sec NE SE Sec. 21 2N 6E	Salem	3655'	35	G.L.482'
John M. Zanetti.	J. Briscoe #1	330°S 330°W NEc SE NW Sec. 21 2N 7E	McClosky	3998'	5	G.L.420'
Southern Illinois Oil Producers, Inc.	Henderson #1	330°S 330°W NEc Sec. 22 2N 7E	Aux Vases			
Hubert W. Rose	Broyles #1-A	330°S 330°E NWc NE Sec. 23 2N 7E	McClosky	3595'	50	G.L.439'
John M. Zanetti	Broyles #5	330°S 330°E NWc NE Sec. 23 2N 7E	Aux Vases	3610'	130	G.L.429'
Hubert W. Rose	Henderson Comm. #1	330°S 330°E NWc Sec. 23 2N 7E	Salem	3623'	50	G.L.446'
Hubert W. Rose	Smith #1-A	430°S 330°W NEc SE NE Sec. 23 2N 7E	McClosky	3613'	257	G.L.440'
Hubert W. Rose	Smith #2-A	330°N 660°W Sec NE Sec. 23 2N 7E	Salem	3744'	93	G.L.418'
Hubert W. Rose	Staley #1-A	330°S 330°E NWc NE NW Sec. 23 2N 7E	Salem	3744'	15	G.L.418'
Hubert W. Rose	S. J. Staley #2 "A"	330°N 330°W Sec NW Sec. 23 2N 7E	Aux Vases	3640'	100	G.L.444'
Union Oil Company of California	Lafayette Gill #5	330°N 330°E SWc Sec. 24 2N 7E	Salem	3961'	30	G.L.415'
Union Oil Company of California	G. H. Bissey #B-9	330°S 330°E NWc Sec. 25 2N 7E	Aux Vases	3640'	123	G.L.412'
Edward C. Koch.	Thompson #1-K	370°S 330°E NWc NE NW Sec. 26 2N 7E	McClosky	3640'	147	G.L.411'
Union Oil Company of California	E. R. Rossetton #D-2	990°S 330°W NEc NE SE Sec. 21 2N 8E	Salem	3765'	125	G.L.442'
			Cypress			
			Aux Vases			
			McClosky			
Juniper Petroleum Corporation.	Hornback #73-35	350°S 330°E NWc SE NE Sec. 35 2N 9E	Salem	3683'	20	G.L.453'
Farmers Petroleum Cooperative, Inc.	Bears #2	330°S 330°E NWc SW Sec. 19 1S 5E	Rosiclar	4152'	62	G.L.418'
Louis H. Kapp, Jr.	W. Donohoe #1	330°N 330°E SWc NE NW Sec. 19 1S 5E	Salem	3550'	20	G.L.490'
Louis H. Kapp, Jr.	Donohoe #2	330°N 330°W Sec NW NW Sec. 19 1S 5E	Salem	3550'	20	G.L.494'
Louis H. Kapp, Jr.	Donohoe #3	330°S 330°E NWc Sec. 19 1S 5E	Salem	3538'	100	G.L.482'
Farmers Petroleum Cooperative, Inc.	Garrison #1	330°S 960°W NEc SE NW Sec. 19 1S 5E	Salem	3545'	80	G.L.480'
W. C. McBride Silurian Oil Co.	Easil Hines #2	330°N 400°E SWc SE NW Sec. 19 1S 5E	Salem	3565'	38	G.L.495'
Youngblood Et al #1	Gustaf Brown #1	405°N 330°W Sec NE NW Sec. 19 1S 5E	Aux Vases	3536'	16	G.L.495'
Louis A. Pessina	Katharina Goff #12	330°S 330°E SWc NW Sec. 26 1S 5E	Salem	3536'	40	G.L.502'
Charles T. Evans	Johnson #2	330°S 330°E NWc SW Sec. 26 1S 5E	Salem	3639'	50	G.L.443'
Charles T. Evans	C. E. Johnson #3	330°N 330°E SWc NW Sec. 26 1S 5E	Salem	3635'	162	G.L.443'
Louis A. Pessina	Katharina Goff #1	330°S 330°E NWc NW Sec. 26 1S 5E	Salem	3616'	50	G.L.448'
Louis A. Pessina	Katharina Goff #2	430°S 330°W NEc SW Sec. 27 1S 5E	Salem	3694'	70	G.L.431'
Louis A. Pessina	Katharina Goff #2	330°S 330°W NEc SE SW Sec. 27 1S 5E	Middle Salem	3690'	185	G.L.459'
Louis A. Pessina	Katharina Goff #3	330°S 430°W NEc SW Sec. 27 1S 5E	Middle Salem	3690'	325	G.L.464'
Louis A. Pessina	Katharina Goff #4	330°S 330°W NEc SE SE Sec. 27 1S 5E	Middle Salem	3700'	349	G.L.467'
					300	G.L.450'

[illegible]

## PRODUCING WELLS COMPLETED IN 1977

OPERATOR	WELL NAME & NO.	LOCATION	FORMATION	TOTAL DEPTH	EST. IP DAILY	ELEV.
Booth Oil Company, Inc. Texaco, Inc.	Gregory #1 A. L. Italian, N.C. 2, #5	330°N 330°W Sec SW NE Sec. 22 1S 6E. 990°S 330°W NE Sec NE Sec. 22 1S 6E.	Salem Salem McClosky O'Hara	3834' 3830' 3168'	42 16 50	G.L.442' G.L.410' G.L.420'
Midwest Oil Producers Phil Churchill & Earl Hoskins d/b/a Modern Explorations	Arney #1 Fansler #4-A	330°N 330°E SWc SE SE Sec. 23 1S 9E. 330°N 330°W Sec NW Sec. 23 1S 6E.	O'Hara Salem	3168' 3807'	16 125	G.L.420' G.L.426'
Fletcher F. Farrar Texaco, Inc.	Stevens-Davis #1 W. W. Thomas N.C.T. #3 Well #2	330°N 330°W Sec SW Sec. 23 1S 6E. 990°S 380°E NWc SW NW Sec. 23 1S 8E.	O'Hara McClosky Salem	3835' 3825' 3825'	16 119 46	G.L.426' G.L.409' G.L.409'
Texaco, Inc.	W. W. Thomas N.C. 3, #3	990°N 360°E SWc NW SW Sec. 23 1S 8E.	Salem	3825'	200	G.L.419'
Phil Churchill & Earl Hoskins d/b/a Modern Explorations	Trotter #1	330°S 330°E NWc SW SE Sec. 23 1S 6E.	Salem-O'Hara	3825'	125	G.L.430'
Phil Churchill & Earl Hoskins d/b/a Modern Explorations	Trotter #2	660°S 500°W NEc SW SE Sec. 23 1S 6E.	O'Hara	3225'	15	G.L.440'
Midwest Oil Producers	Arney #2	330°N 330°E SWc Sec. 24 1S 6E.	O'Hara	3850'	45	G.L.429'
Morris J. Wagner C. O. Wagner Oil & Gas.	C. O. Simms #1 Simms #7	330°N 330°W Sec NW SE Sec. 24 1S 6E. 330°S 330°E NWc NE SW SE Sec. 24 1S 6E.	Salem Aux Vases Aux Vases	3845' 3904'	150	G.L.436.1'
Carl E. Busby	Gaston Heirs #4	330°S 330°E NWc Sec. 25 1S 8E.	Aux Vases	3209'	6	G.L.442'
Joe O. Williams d/b/a J. & H. Oil Co.	Claudia Ralston #1-A	330°S 230°W NEc S/2 NE Sec. 26 1S 6E.	O'Hara	3963'	4	G.L.409.4'
Fletcher F. Farrar	Roy Reed #3	585°N 330°E SWc NW Sec. 27 1S 9E.	Salem	3657'	25	G.L.470'
Shulman Brothers, Inc.	G. A. Mullinax #1 Northeast Geff Unit	330°S 330°E NWc SW SE Sec. 1 1S 7E.	Aux Vases O'Hara	3083'	Prod.	G.L.435'
Donald E. Schmitt	G. A. Mullinax #4	330°N 330°E SWc SE Sec. 1 1S 7E.	Rosiclare	3144'	4	G.L.446'
Donald E. Schmitt	O. H. Harris #1	330°N 330°E SWc SE Sec. 19 1S 7E.	Aux Vases	3996'	108	G.L.447'
Van Fossan Associates	O. H. Harris #2 Wayne Smith #1	330°N 330°E NWc NW SE Sec. 19 1S 7E. 330°S 660°E NWc SW Sec. 21 1S 7E.	Aux Vases Aux Vases	3245'	30	G.L.447'
Jerry E. Friend	Oakley Hunt #1	330°S 330°E NWc SW NW Sec. 33 1S 7E.	McClosky	3885'	21	G.L.481'
H. H. Weinert Estate	Muhlbach #4	330°S 660°E NWc SW NW Sec. 34 1S 7E.	Salem	4006'	4	G.L.481'
Farmers Petroleum Cooperative, Inc.	B. Borah #2	330°S 330°W NEc SE Sec. 4 1S 8E.	Salem	4029'	25	G.L.457'
Robinson Production, Inc.	Blessing #1	330°N 330°E SWc SE Sec. 18 1S 8E.	Aux Vases	3910'	7	G.L.436'
Gordon T. Jenkins	Slaley #1	330°N 330°W Sec SW Sec. 18 1S 8E.	McClosky Aux Vases	4000'	23	G.L.456'
Black Hawk Resources Corporation	O'Daniel #42-18	330°N 330°W Sec NE NW Sec. 18 2S 6E.	Aux Vases	4130'	35	G.L.401'
Comanche Oil Corporation	Parker #2	330°S 330°W NEc SE SW Sec. 32 2S 6E.	Warsaw	4278'	8	G.L.450'
Bernard Podolsky	John R. Vaughan #1	330°N 660°W Sec NE NW Sec. 35 2S 8E.	Salem	4170'	40	G.L.425'
Jerry E. Friend	O. Laws #4	330°S 660°E NWc SE SE Sec. 36 2S 8E.	McClosky	3430'	10	G.L.486'
Kendra Corporation	O'Daniel-Jones #1	330°S 330°E NWc SE NW Sec. 3 2S 9E.	Aux Vases	4075'	15	G.L.383'
Ernest Sherman	Matthews #1	565°N 330°E SWc SE SE Sec. 8 2S 9E.	Rosiclare	3374'	20	G.L.448'
W. E. Brubeck	Arvel Mann #3	430°S 330°W NEc SW SE Sec. 14 2S 9E.	Aux Vases	3450'	20	G.L.401'
Jerry E. Friend	Moore #1	330°S 990°E NWc SW SW Sec. 31 2S 9E.	McClosky	4718'	15	G.L.407'
Jerry E. Friend	Moore #2	330°S 330°E NWc SW SW Sec. 31 2S 9E.	McClosky	3440'		

Jerry E. Friend	Vaughn #3	330°N 990°E SWc NW Sec. 31 25 9E	McClusky- Aux Vases	3374'	15	GL 386'
Comanche Oil Corporation	Kissner #1	330°S 330°W NEc SE NE Sec. 7 35 6E	Warsaw	4190'	110	GL 418'
Comanche Oil Corporation	Meyers #1	330°S 330°W NEc NW SE Sec. 7 35 6E	Warsaw	4187'	60	GL 417'
Comanche Oil Corporation	Parker #3	330°N 330°W SEc SW NE Sec. 7 35 6E	Salem	4175'	50	GL 417'
Comanche Oil Corporation	V. Rawls Comm. #1	330°N 330°W SEc NW NW Sec. 8 35 6E	McClusky- Salem			
Black Hawk Resources Corporation	Reed Community #28-15	330°N 330°W SEc SW SW Sec. 15 35 8E	Warsaw	4296'	60	GL 451'
Black Hawk Resources Corporation	Earhart Community #18-15	330°N 330°E SWc Sec. 15 35 9E	Aux Vases	3444'	14	GL 434'
			Aux Vases	4175'	20	GL 382'
WHITE COUNTY						
Black Hawk Resources Corporation	Granger-Hawker Farms #56-21	360°N 330°E SWc NW SE Sec. 21 35 9E	Warsaw- Salem	4170'	40	GL 388'
Gordon T. Jenkins	Taylor #1	990°N 330°W SEc SW NW Sec. 28 35 9E	Aux Vases		40	GL 414'
Barger Engineering, Inc.	B & L Sturm #1	330°N 1055°E SWc NW NE Sec. 36 35 10E	Benoist- O'Hara	4233'		
Perry Fulk	Hazlett #1	330°S 330°W NEc SW Sec. 28 45 8E		3110'	11	GL 453'
Perry Fulk	Foley Etal Comm. #2	330°S 330°W NEc SW Sec. 29 45 8E	Osage	4385'	25	GL 389
Perry Fulk	Mary Ward Etal Unit #1	330°N 363°E SWc SE SW Sec. 29 45 8E	Aux Vases	3377'	78	GL 423'
Perry Fulk	Mary Ward Etal Unit #2	409°S 660°W NEc SE SW Sec. 29 45 8E	Aux Vases	3402'	70	GL 420'
RK Petroleum Corporation	Orl Etal #2	330°N 330°W SEc SW NE Sec. 32 45 8E	Salem	4500'	40	GL 442.5'
RK Petroleum Corporation	Orl Etal #3	330°N 330°E SWc NE Sec. 32 45 8E	Aux Vases	3342'	104	GL 389'
Jamae F. Abercrombie	Stahl #1	330°S 330°W NEc SE SE Sec. 32 45 8E	Aux Vases	3348'	68	GL 392'
RK Petroleum Corporation	Warthen Community #4	330°S 330°W NEc SE Sec. 32 45 8E	Aux Vases	3331'	70	GL 383'
RK Petroleum Corporation	Warthen Community #5	330°S 330°W NEc SE Sec. 32 45 8E	Aux Vases	3342'	48	GL 386'
RK Petroleum Corporation	Warthen Community #6	330°S 330°W NEc SE Sec. 32 45 8E	Aux Vases	3348'	45	GL 388'
RK Petroleum Corporation	Brockett 'A' Etal #1	330°S 330°W SEc SW NW Sec. 33 45 9E	Aux Vases	3348'	25	GL 388'
RK Petroleum Corporation	Continental Bank #1	330°S 330°E SWc NE Sec. 34 45 8E	Aux Vases	3338'	61	GL 383'
RK Petroleum Corporation	Continental Bank #2	330°N 330°W SEc NW Sec. 34 45 8E	Aux Vases	3338'	55	GL 381'
RK Petroleum Corporation	Continental Bank #3	330°S 330°W SEc NW Sec. 34 45 8E	Aux Vases	3338'	26	GL 385'
RK Petroleum Corporation	Continental Bank #4	330°S 330°E NWc NE SW Sec. 34 45 8E	Aux Vases	3339'	70	GL 385'
RK Petroleum Corporation	Continental Bank #5	330°S 330°E NWc NE SW Sec. 34 45 8E	Aux Vases	3345'	100	GL 385'
RK Petroleum Corporation	Continental Bank #6	330°S 330°W SEc NW Sec. 34 45 8E	Aux Vases	3343'	35	GL 385'
RK Petroleum Corporation	Continental Bank #7	330°S 330°E NWc NW Sec. 34 45 8E	Aux Vases	3350'	73	GL 382'
RK Petroleum Corporation	Continental Bank #8	330°N 330°W SEc NW Sec. 34 45 8E	Aux Vases	3343'	80	GL 382'
RK Petroleum Corporation	Kerwin Trust #3	330°N 330°E SWc NE SW Sec. 34 45 8E	Aux Vases	3338'	50	GL 383'
RK Petroleum Corporation	Kerwin Trust #4	330°N 330°W SEc NW Sec. 34 45 8E	Aux Vases	3336'	56	GL 385'
RK Petroleum Corporation	Kerwin Trust #5	330°S 330°W SEc NW Sec. 34 45 8E	Aux Vases	3345'	80	GL 385'
RK Petroleum Corporation	Robert Williams #1	330°S 330°W NEc NW Sec. 34 45 8E	Aux Vases	3345'	72	GL 385'
B. W. Parks & Robert E. York d/b/a Parks & York Drilling Co.	Kenneth Waggoner #1	990°S 330°W NEc SE 5.45 10E	Cypress	2941'	3	GL 382'
Gene Michel	Mildred Hagdon #1	330°N 990°E SWc NW Sec. 19 45 13W	Diagonia	1885'	41.76	GL 370'
Gene Michel	Bradley #12	330°S 330°W NEc NW Sec. 19 45 13W	St. Louis	1890'	19.87	GL 372'
Henry Absber d/b/a Absber Oil Co.	E. M. Finton #30	660°N 330°E SWc SE Sec. 17 45 14W	Cypress	4489'	6	GL 371'
The Superior Oil Company	E. M. Finton #3	25°N 15°W SEc Sec. 28 45 14W	Cypress	2850'	43	DF 367'
Perry Fulk	Brown & Henning #1	660°N 330°W SEc NW Sec. 29 45 14W	Salem	4200'	50	GL 380'
The Superior Oil Company	E. M. Finton #A-36	330°S 330°E NWc SE Sec. 29 45 14W	Warsaw- Salem			
The Superior Oil Company	J. R. Collins #7	25°S 40°W NEc SE NW Sec. 33 45 14W		3913'	33	GL 370'
The Superior Oil Company	H. E. Given #25	2710°N 620°E SWc Sec. 34 45 14W	Cypress	2850'	29	GL 373'
RK Petroleum Corporation	Edith & Eva Ramsey #1	330°N 330°E SWc SE Sec. 4 55 8E	Cypress	2655'	17.6	GL 368'
RK Petroleum Corporation	Lucille Berberich #2	330°N 330°W SEc NW NW Sec. 9 55 8E	Aux Vases	3348'	56	GL 403.7'
			Aux Vases	4500'	25	GL 422.5'

# PRODUCING WELLS COMPLETED IN 1977

OPERATOR	WELL NAME & NO.	LOCATION	FORMATION	TOTAL DEPTH	EST. IP DAILY	ELEV.
RK Petroleum Corporation	Elva Fulford #1	550° S 330° W NEc SE NW Sec. 9 5S 8E	Aux Vases	3352'	77	GL 414'
RK Petroleum Corporation	Elva Fulford #2	330° S 330° E NWc SE NW Sec. 9 5S 8E	Aux Vases	3382'	50	GL 420.4'
RK Petroleum Corporation	Lawrence Ramsey #1	330° S 330° E NWc NE NE Sec. 9 5S 8E	Aux Vases	3396'	44	GL 409.4'
Pricfields Oil, Inc.	Triple AAA Ranch #4	330° S 330° E NWc NE NW Sec. 9 5S 8E	Warsaw	4392'	50	GL 423'
Reynolds & Vincent, Inc.	Fields West #1	990° S 330° E NWc Sec. 17 5S 8E	Warsaw	4358'	10	GL 410'
Royal G. Cantrell	Carl Wilson Comm. #2	330° N 330° E SWc NW NE Sec. 19 5S 8E	Warsaw	4620'	46	GL 491.9'
The Superior Oil Company	Henry Garner #1	330° S 500° W NEc NW SW Sec. 1 5S 10E	Palestine	2160'	4	GL 413'
The Superior Oil Company	E. S. Greathouse #29	430° N 330° E SWc NE NE Sec. 4 5S 14W	Warsaw	5840'	39	GL 368'
Dennis P. Paine d/b/a	E. S. Greathouse #30	800° N 990° E SWc NE Sec. 4 5S 14W	Warsaw	6600'	92	GL 366'
Duke Resources Corporation	James Phillips #A-1	330° N 430° W SEc NE NW Sec. 22 6S 9E	Penn.	1950'	4 1/2	GL 357'
Jim Haley d/b/a	Emmerson Comm. #1	330° N 660° E SWc Sec. 15 6S 10E	St. Louis	4140'	57	GL 364'
Leo Angermeyer Jr.	Irma Brown #1	330° S 330° W NEc SW NW Sec. 22 6S 10E	St. Louis	4960'	48	GL 366'
C. E. Brehm d/b/a	Ervin Nab #1	330° N 990° W Sec. 18 7S 11E	Cypress	3112'	25	GL 366'
C. E. Brehm Drilling & Producing	Boetticher #4	330° S 330° W NEc SE SW Sec. 19 7S 11E	Tar Springs	2204'	20	GL 348'
C. E. Brehm d/b/a	G. Boetticher #5	990° S 330° E NWc SE SW Sec. 19 7S 11E	Tar Springs	2207'	80	GL 347'
C. E. Brehm Drilling & Producing	Boetticher #7	855° S 330° W NEc SE SW Sec. 19 7S 11E	McClosky	2835'	25	GL 347'
Coy Oil, Inc.	W. F. Sill #1	530° S 330° E NWc SE Sec. 19 7S 11E	Aux Vases	2810'	10	GL 356'
C. E. Brehm d/b/a	Boetticher #6	110° S 330° E NWc NE NW Sec. 30 7S 11E	Tar Springs	2844'	20	GL 345'
WILLIAMSON COUNTY						
C. E. Brehm d/b/a	Alkman #A-1	330° S 330° W NEc NW NW Sec. 27 8S 4E	O'Hara	3080'	8	D F 501'
C. E. Brehm Drilling & Producing						

## WELLS PLUGGED IN 1977

OPERATOR	WELL NAME & NO.	LOCATION	TOTAL DEPTH	DATE PLUGGED	ELEV.
ADAMS COUNTY					
Claude McElvain	Raymond Fearneyhaugh #1	330'N 330'E SWc SE SW Sec. 1 2S 5W.	895'	2-24-77	G.L.701'
Claude McElvain	Doole #3-A	340'N 340'W Sec. NW/NW Sec. 12 2S 5W.	656'	6-7-77	G.L.720'
BOND COUNTY					
Har E. DePoster d/b/a DePoster Drilling Co.	Zobnist #1	330' S 330' W NEc SW NE Sec. 27 4N 3W	1117'	12-19-77	G.L.488'
Televest, Inc.	Neumann #1	330'N 330'W Sec. NW Sec. 32 4N 3W	1061'	10-27-77	G.L.481.9'
W. T. Frederking	Simmons-Rogier Comm. #1	330' S 330' E NWc NE NE Sec. 14 4N 4W	2243'	11-30-77	G.L.486.7'
Sam Parker	Dork #5	406' S 550' W NEc SE SW Sec. 15 5N 4W	626'	6-10-77	G.L.554'
BROWN COUNTY					
W. O. Hills	Thomas #4	330' N 330' E SWc SW NW NE Sec. 15 1S 2W.	523'	7-25-77	G.L.540'
Earnest Wright	Davis #2W	430' N 330' W Sec. SW Sec. 33 1S 4W	705'	6-13-77	G.L.722'
Claude McElvain	McNeff #1-M	660' S 330' E NWc NE NE Sec. 4 2S 4W	687'	5-20-77	G.L.705'
CASS COUNTY					
Douglas Kane	Hardwick #1	330'N 660'W Sec. SW NW Sec. 20 18N 10W	750'	5-27-77	G.L.634.1'
CHRISTIAN COUNTY					
Gene Duncan & Herbert E. Fear d/b/a	Smith Heirs #5-B	330'N 330'E SWc SE NW Sec. 21 13N 1E	2341'	9-8-77	D.F.614'
Fear & Duncan Oil Producers	C. G. Simcox Trustee #3	330' S 330' W NEc SW NE Sec. 29 13N 1E	2365'	9-7-77	D.F.618'
Gene Duncan & Herbert E. Fear d/b/a	Hudson #1	330' S 330' W NEc NW SE Sec. 20 14N 2W	2001'	9-23-77	G.L.601.2'
Fear & Duncan Oil Producers	R. E. Ruff #1-A	330' S 330' E NWc NE Sec. 18 14N 3W	1728'	9-27-77	G.L.565'
Hale Resources & Energy Co.	Buzzard #1	330' S 330' W NEc NW Sec. 8 15N 1W	1866'	8-17-77	G.L.599.7'
James D. Jordan	Stewart #1	330' S 330' W NEc Sec. 11 15N 1W	1920'	7-9-77	.....
Gene Duncan & Herbert E. Fear d/b/a	Allen #2	330' S 330' W NEc NW SW Sec. 13 15N 3W	1745'	9-29-77	G.L.540.8'
Fear & Duncan Oil Producers	Hamel #1	330' S 330' W NEc NE Sec. 26 15N 3W	1878'	9-27-77	G.L.590'
McKinney Oil Producers, Inc.	Brva #1	330' S 980' W NEc NW Sec. 30 16N 1W	1835'	7-17-77	G.L.582.2'
John W. Fawcett					
John Carey Oil Co., Inc.					
CLARK COUNTY					
Oilfield Research, Inc.	Irma Manhart #1	330' N 330' E SWc NW NW SE Sec. 10 9N 11W	2500'	12-16-77	G.L.451'
James B. Orell	Lyman Cumin #1	990' N 330' W Sec. SW SW Sec. 13 9N 13W	870'	9-8-77	G.L.587.3'
Francis A. Zakowski	L. Weaver (300AC) #B2	190' S 5' W NEc SE NW SW Sec. 23 9N 14W	470'	12-21-77	.....
Francis A. Zakowski	J. P. Bennett #19	220' S 25' E NWc SW NE NW Sec. 26 9N 14W	518'	12-21-77	.....
Francis A. Zakowski	J. P. Bennett #20	220' N 25' E SWc NW NE NW Sec. 26 9N 14W	520'	12-21-77	.....

## WELLS PLUGGED IN 1977

OPERATOR	WELL NAME & NO.	LOCATION	TOTAL DEPTH	DATE PLUGGED	ELEV.
W. A. Corley	Leland Miller #1	330°N 330°W Sec NW Sec. 4 10N 11W	2410'	10-3-77	GL 553'
W. A. Corley	Leland Miller #2	990°N 330°W Sec NW Sec. 4 10N 11W	2385'	5-17-77	GL 554'
Gerold Dean Siverly	C. Elliott #W-11	440°N 0°W Sec NW NW Sec. 4 10N 14W	290'	5-19-77	GL 554'
Stim Oil Co., Inc.	Robert B. Brown #1	330°S 330°W Sec NW Sec. 23 10N 14W	1360'	6-7-77	GL 608'
Southern Triangle Oil Co.	Catherine R. Slater #1	330°N 380°W Sec NE Sec. 25 10N 14W	1035'	2-19-77	GL 591'
Gene Tyhurst	Stratton Water Supply	220°N 200°E SWc NE SE Sec. 26 10N 14W	150'	4-13-77	GL 591'
Gene Tyhurst	Stratton #5	10°S 440°E NWc NE SE Sec. 26 10N 14W	380'	4-13-77	GL 591'
Gene Tyhurst	Stratton #5	220°N 250°E SWc NE SE Sec. 26 10N 14W	385'	4-13-77	GL 591'
Ronald E. Morris	Virgil Jones #1	990°S 330°W Sec NW SW Sec. 36 10N 14W	2930'	11-11-77	GL 549'
Reynolds & Vincent, Inc.	Wayne Miller #1	330°S 330°W Sec NW SW Sec. 36 10N 14W	1460'	9-12-77	GL 549'
Reynolds & Vincent, Inc.	Jack Miller #1	330°S 330°W Sec NW SW Sec. 36 10N 14W	1460'	9-12-77	GL 549'
Reynolds & Vincent, Inc.	Alvin Miller #1	330°S 330°W Sec NW SW Sec. 36 10N 14W	1460'	9-12-77	GL 549'
Klein Oil Co.	Bill Gagner #1	330°S 660°W Sec NW Sec. 34 11N 13W	1200'	9-27-77	GL 452'
Jack H. Mankin	Beva Turner #3	380°S 330°W Sec NW SW Sec. 4 11N 14W	200'	3-3-77	GL 644 3'
Jack H. Mankin	Beva Turner #5	380°S 940°E NWc NE NW Sec. 4 11N 14W	225'	2-20-77	GL 641'
Gerold Dean Siverly	Elv Esta Elliott #W-6	330°S 330°E NWc SE NW Sec. 4 11N 14W	135'	3-31-77	GL 641'
Gerold Dean Siverly	Elv Esta Elliott #W-15	30°N 440°W Sec SW Sec. 33 11N 14W	289'	5-19-77	GL 641'
Gerold Dean Siverly	Sluss #O-1	30°N 0°E SWc SE NW Sec. 33 11N 14W	291'	5-19-77	GL 641'
Gerold Dean Siverly	Sluss #W-2	220°N 220°E SWc SE NW Sec. 33 11N 14W	290'	5-20-77	GL 641'
Gerold Dean Siverly	Sluss #W-2	30°N 440°E SWc SE NW Sec. 33 11N 14W	293'	5-20-77	GL 641'
CLAY COUNTY					
J. W. Rudy Co., Inc.	S. Joplin #1	890°S 690°W Sec NW Sec. 13 2N SE	2566'	9-1-77	GL 508'
Crest Oil Co., Inc.	N. Leonard #1	330°S 330°W Sec NW Sec. 14 2N SE	3146'	9-20-77	GL 459 8'
Donald L. Lewis	Spain #1	330°S 330°W Sec NW Sec. 14 2N SE	3146'	8-23-77	GL 459 8'
James A. McCollum	Q. Bensen #1	330°S 330°W Sec NW Sec. 14 2N SE	3602'	8-23-77	GL 459 8'
Shelby A. & Sylvia Britton	R. Bensen #1	330°S 330°W Sec NW Sec. 14 2N SE	3116'	4-27-77	GL 439'
Shelby A. & Sylvia Britton	Delaney #2	330°S 330°W Sec NW Sec. 10 2N 7E	3116'	2-9-77	GL 439'
Booth Oil Co., Inc.	Hale #2	330°S 330°W Sec NW Sec. 10 2N 7E	3043'	2-11-77	GL 448'
Booth Oil Co., Inc.	Baylor #1 A	330°S 330°W Sec NW Sec. 14 2N 7E	3145'	5-9-77	GL 455'
David F. Herley	Dale F. #1	330°S 330°W Sec NW Sec. 15 2N 7E	3020'	9-7-77	GL 444'
Richard W. Beeson	Mammie Williams et al #1	330°S 660°W Sec NE Sec. 15 2N 7E	3693'	3-10-77	GL 443'
Booth Oil Co., Inc.	Land Bank #1	330°S 330°E SWc SE NW Sec. 17 2N 7E	4000'	1-5-77	GL 433'
H.A.V.E. Oil Co., Inc.	Henry #1 A	330°S 330°E SWc SE NW Sec. 8 2N 8E	3670'	9-13-77	GL 467 3'
H.A.V.E. Oil Co., Inc.	O. Henry #1-B	330°S 330°E SWc SE NW Sec. 9 2N 8E	3565'	5-6-77	GL 452'
Union Oil Co. of California	Wm. E. Staley #1	430°S 330°W Sec SW NW Sec. 9 2N 8E	2550'	5-7-77	GL 452'
James A. Gray	Brother-Russell Comm. #1	330°S 330°E NWc SE NW Sec. 10 2N 8E	3700'	10-24-77	DF 461'
Donald L. Lewis	McAlister #2 B	330°S 330°E NWc SE NW Sec. 10 2N 8E	3920'	8-9-77	GL 433'
Shelby A. & Sylvia Britton	Dean Sutton #1	330°S 330°E NWc SE NW Sec. 10 2N 8E	3381'	8-7-77	GL 444'
Shelby A. & Sylvia Britton	Wymann et al Comm. #1	960°S 660°E NWc NE Sec. 1 3N SE	2869'	10-19-77	GL 516'
Shelby A. & Sylvia Britton	Wymann et al Comm. #1	330°S 330°E NWc SE NW Sec. 26 3N SE	3049'	10-19-77	GL 496'
Hankin Oil Co., Inc.	J. O. Tomlinson #1	330°S 330°E NWc SE NW Sec. 26 3N SE	2973'	10-1-77	GL 496'
Franklin Oil Co., Inc.	Tolliver #2	330°S 330°E NWc SE NW Sec. 23 3N SE	2960'	5-26-77	GL 432'
Bengent Casing Pulling Corp.	Willis Dehart #1	330°S 330°E NWc SE NW Sec. 10 3N 7E	2712'	10-14-77	GL 438'



Shelby A. & Sylvia Britton	Neely #1	235°N 191°E SW 1/4 Sec. 11 3N 7E	2952'	8-8-77	GL 432'
Shelby A. & Sylvia Britton	Neely #2	99°S 66°W Sec. 11 NE 1/4 3N 7E	2956'	8-10-77	GL 428'
W. C. McBride-Silurian Oil Co.	Johnnie Straser #4D	96°N 33°W Sec. 11 NE 1/4 3N 7E	3001'	4-1-77	GL 436'
Shelby A. & Sylvia Britton	G. King #3	33°N 33°W Sec. 11 NE 1/4 3N 7E	3021'	4-1-77	GL 436'
Shelby A. & Sylvia Britton	Goungs #1	33°N 33°W Sec. 11 NE 1/4 3N 7E	3060'	2-24-77	GL 415'
Everett Maurice Bangert	Frank M. Blessing #1	33°N 33°W Sec. 11 NE 1/4 3N 7E	3060'	7-8-77	DF 420'
Van Fossan Associates	Dohart #1	33°S 33°W Sec. 11 NE 1/4 3N 7E	2992'	11-17-77	GL 435'
Reiter Oil Development	Dehman #5	33°N 33°W Sec. 11 NE 1/4 3N 7E	2992'	5-2-77	GL 567'
George F. Yocum	Blackwell #1	33°N 33°W Sec. 11 NE 1/4 3N 7E	2629'	1-3-77	GL 567'
"K." Oil, Inc.	Marion Coleman #1	33°S 33°W Sec. 11 NE 1/4 3N 7E	2615'	8-20-77	GL 511'
Hanson Oil Co., Inc.	Cecil Bible #1	33°S 33°W Sec. 11 NE 1/4 3N 7E	2996'	5-9-77	GL 477'
Richard W. Beeson	Pierison #1	33°N 33°W Sec. 11 NE 1/4 3N 7E	2835'	6-25-77	GL 505'
McKinney Oil Producer, Inc.	Thompson Comm. #1	33°N 33°W Sec. 11 NE 1/4 3N 7E	2847'	7-8-77	GL 494'
McKinney Oil Producer, Inc.	I. Allen #3	33°S 33°W Sec. 11 NE 1/4 3N 7E	2828'	5-14-77	GL 508'
McKinney Oil Producer, Inc.	Kincaid-Stanley Comm. #1	33°S 33°W Sec. 11 NE 1/4 3N 7E	2816'	5-26-77	GL 497'
Shelby A. & Sylvia Britton	Smith #1	33°S 33°W Sec. 11 NE 1/4 3N 7E	2811'	6-4-77	GL 510'
Shelby A. & Sylvia Britton	Box #2 A	33°S 33°W Sec. 11 NE 1/4 3N 7E	2905'	8-9-77	GL 514 08'
Shelby A. & Sylvia Britton	Green McGary #1	33°S 33°W Sec. 11 NE 1/4 3N 7E	2905'	8-9-77	GL 489'
Shelby A. & Sylvia Britton	A. Murphy #3	33°S 33°W Sec. 11 NE 1/4 3N 7E	3051'	9-5-77	GL 489'
Hanson Oil Co., Inc.	Ozell Comm. #1	33°S 33°W Sec. 11 NE 1/4 3N 7E	2995'	6-4-77	GL 487'
Hanson Oil Co., Inc.	Ozell Comm. #2	33°S 33°W Sec. 11 NE 1/4 3N 7E	2620'	9-29-77	GL 469'
Woodrow Franklin	H. Franklin #1	33°S 33°W Sec. 11 NE 1/4 3N 7E	3011'	9-27-77	GL 464'
Franklin Oil Co., Inc.	U. McGraw #1	33°S 33°W Sec. 11 NE 1/4 3N 7E	2951'	6-17-77	GL 451'
Franklin Oil Co., Inc.	P. & J. Franklin Comm. #1	33°S 33°W Sec. 11 NE 1/4 3N 7E	2596'	5-17-77	GL 437'
Franklin Oil Co., Inc.	R. Franklin #1	33°S 33°W Sec. 11 NE 1/4 3N 7E	2994'	5-14-77	GL 444'
Woodrow Franklin	R. Franklin #2	33°S 33°W Sec. 11 NE 1/4 3N 7E	3490'	5-11-77	GL 429'
Woodrow Franklin	R. Franklin #3	33°S 33°W Sec. 11 NE 1/4 3N 7E	2968'	6-8-77	GL 431'
Woodrow Franklin	R. Franklin #4	33°S 33°W Sec. 11 NE 1/4 3N 7E	2966'	6-9-77	GL 434'
Woodrow Franklin	R. Franklin #5	33°S 33°W Sec. 11 NE 1/4 3N 7E	3525'	6-6-77	GL 430'
Woodrow Franklin	R. Franklin #6	33°S 33°W Sec. 11 NE 1/4 3N 7E	3016'	5-28-77	GL 438'
Woodrow Franklin	R. Franklin #7	33°S 33°W Sec. 11 NE 1/4 3N 7E	2978'	6-7-77	GL 428'
Woodrow Franklin	R. Franklin #8	33°S 33°W Sec. 11 NE 1/4 3N 7E	2347'	6-14-77	GL 440'
Woodrow Franklin	R. Franklin #9	33°S 33°W Sec. 11 NE 1/4 3N 7E	3642'	6-15-77	GL 440'
Woodrow Franklin	R. Franklin #10	33°S 33°W Sec. 11 NE 1/4 3N 7E	3580'	6-2-77	GL 437'
Woodrow Franklin	R. Franklin #11	33°S 33°W Sec. 11 NE 1/4 3N 7E	3050'	5-3-77	GL 430'
Shakespeare Oil Co., Inc.	Maggie Gumbel #2	33°S 33°W Sec. 11 NE 1/4 3N 7E	3045'	5-3-77	GL 459'
Shakespeare Oil Co., Inc.	James Kack	33°S 33°W Sec. 11 NE 1/4 3N 7E	46'	12-16-77	GL 455'
Don W. Gesell	Read #3 SWD	33°S 33°W Sec. 11 NE 1/4 3N 7E	2360'	8-2-77	GL 527'
"K." Oil, Inc.	Norbut #1	33°S 33°W Sec. 11 NE 1/4 3N 7E	2501'	7-28-77	GL 539 5'
"K." Oil, Inc.	Norbut #2	33°S 33°W Sec. 11 NE 1/4 3N 7E	2520'	2-11-77	GL 541'
"K." Oil, Inc.	Obolkovitz #1	33°S 33°W Sec. 11 NE 1/4 3N 7E	2467'	2-18-77	GL 540'
"K." Oil, Inc.	Obolkovitz #2	33°S 33°W Sec. 11 NE 1/4 3N 7E	2447'	2-17-77	GL 533'
"K." Oil, Inc.	Obolkovitz #3	33°S 33°W Sec. 11 NE 1/4 3N 7E	2461'	8-1-77	GL 535 9'
"K." Oil, Inc.	C. E. Post #1	33°S 33°W Sec. 11 NE 1/4 3N 7E	2444'	8-1-77	GL 539'
Don W. Gesell	Page #1	33°S 33°W Sec. 11 NE 1/4 3N 7E	2462'	8-3-77	GL 529'
Don W. Gesell	Everett Reed #1	33°S 33°W Sec. 11 NE 1/4 3N 7E	2380'	8-4-77	GL 552'
Don W. Gesell	Edman Heirs #1	33°S 33°W Sec. 11 NE 1/4 3N 7E	456'	4-14-77	GL 535'
James A. & Sylvia Britton	Edman Ducker #3 (Veith #2)	33°S 33°W Sec. 11 NE 1/4 3N 7E	2525'	4-1-77	GL 536'
James A. & Sylvia Britton	S. Groves #1	33°S 33°W Sec. 11 NE 1/4 3N 7E	3300'	1-6-77	GL 497'
Pleasure Oil Co., Inc.	Donna Brooks #2	33°S 33°W Sec. 11 NE 1/4 3N 7E	3048'	7-8-77	GL 489'
Pleasure Oil Co., Inc.	W. C. Bahl #2	33°S 33°W Sec. 11 NE 1/4 3N 7E	2996'	11-15-77	GL 496'
Don W. Newton	Robert H. Evans	33°S 33°W Sec. 11 NE 1/4 3N 7E	3557'	11-15-77	GL 490'

## WELLS PLUGGED IN 1977

CLINTON COUNTY	OPERATOR	WELL NAME & NO.	LOCATION	TOTAL DEPTH	DATE PLUGGED	ELEV.
Shell Oil Co.		L. Schmitz #6	330° S 363° W NEc NW NE Sec. 2 1N 1W	1206'	9-7-77	D.F. 454'
Shell Oil Co.		Thompson-Joliff School #2	70° N 1230° E SWc Sec. 2 1N 1W	1527'	9-15-77	D.F. 479'
Shell Oil Co.		Centralia Unit WF #165-X (R. Buehler #7)	632° S 1119° E NWc NW Sec. 12 1N 1W	1363'	9-8-77	GL 472'
Shell Oil Co.		Centralia Unit WF #166-X (Buehler #12 A)	660° N 990° E SWc NW NW Sec. 12 1N 1W	1212'	9-7-77	GL 478'
Leonard Fields		Paul & Ruth Dodillet #1	330° S 330° E NWc SW SW Sec. 24 1N 1W	1512'	7-5-77	GL 490'
John F. Durnill		Catholic Ch. Belleville Diocese #1	1680° S 940° E NWc SE Sec. 25 1N 3W	1357'	6-27-77	GL 408'
Loeb & Mitchell Oil Co.		Detmers #A-3	990° S 660° W NEc SW Sec. 2 2N 3W	1052'	4-28-77	GL 471'
Farm Feeds Construction, Inc.		Schemaker #1	330° S 950° E SWc SE & 2 2N 3W	2443'	10-8-77	GL 460'
Leland Monken		Witten Farm #1	460° N 330° E SWc SE NW Sec. 5 2N 3W	1049'	6-17-77	GL 469'
Elmer Delze, Jr.		Detmers #2	330° S 990° W NEc Sec. 11 2N 3W	1041'	4-27-77	GL 471'
Elmer Delze, Jr.		Schaefer #1	990° S 990° W NEc NW Sec. 11 2N 3W	1076'	4-28-77	GL 471'
T. R. Kerwin & Edward Lampen		Innning #1	330° S 1650° W NEc NW Sec. 11 2N 3W	1070'	9-20-77	GL 467.5'
Charles E. Flaner, Jr.			330° N 330° E SWc NE Sec. 6 3N 2W	1142'	9-15-77	
COLES COUNTY						
Safari Oil Co.		R. H. Degler #1	330° S 330° W NEc SE Sec. 10 12N 7E	2028'	5-9-77	GL 710'
Safari Oil Co.		Homann #3-A	430° S 990° E NWc SW Sec. 11 12N 7E	2256'	3-6-77	GL 710'
Thomas B. Mask & W. E. Hersee		Robert Faqua #1	660° N 430° W NEc SE Sec. 22 12N 7E	3175'	8-27-77	GL 717'
Tom Mask		Anna Strong #2 SWD	330° S 330° W NEc SE Sec. 22 12N 7E	3162'	8-10-77	GL 717'
Tom E. Grace		Macke-Redman Unit #3-A	330° N 330° E SWc SE NW Sec. 23 12N 7E	3161'	8-10-77	GL 717'
Tom E. Grace		Pawnee Unit #4-A	990° S 990° E SWc SE NW Sec. 23 12N 7E	3131'	8-23-77	GL 710'
John Carlson		Ruth & William Link #1	330° N 330° W NEc SE Sec. 4 12N 14W	1920'	6-1-77	GL 740'
Elmer Novak		George W. Miller #1	330° N 330° W NEc SE Sec. 4 12N 14W	1915'	5-5-77	GL 675'
Elmer Novak		W. H. Tracy #5	330° S 330° E SWc SE NW Sec. 22 13N 7E	1939'	5-11-77	GL 676'
Elmer Novak		W. H. Tracy #4	330° S 330° E SWc SE NW Sec. 22 13N 7E	1916'	5-11-77	GL 680'
Elmer Novak		William H. Tracy #1	330° S 330° W NEc NW NE Sec. 27 13N 7E	1917'	5-3-77	GL 673'
Elmer Novak		Tracy "B" #1 (W.3)	330° S 330° E NWc NE Sec. 27 13N 7E	1923'	2-7-77	GL 678'
Elmer Novak		W. H. Tracy #2 (W.2)	330° S 330° W NEc NW NE Sec. 27 13N 7E	1913'	5-2-77	GL 675'
R. Michael Harris, Inc.		E. Corley #1	330° S 330° W NEc NW NE Sec. 27 13N 7E	1824'	10-27-77	GL 678'
Harry J. Adams		C. K. Centers #1	330° S 330° W NEc NW NE Sec. 35 13N 9E	570'	6-4-77	GL 664'
Tom E. Grace		Coombe Estate #16 D	1650° S 330° W NEc SE Sec. 23 14N 7E	2876'	8-16-77	GL 654'
Harry J. Adams		Russell Hanner #1	330° S 990° E NWc SW Sec. 33 14N 14W	451'	6-28-77	GL 660'
CRAWFORD COUNTY						
M. L. Rich		Paul McDaide #1	330° N 330° E SWc NW SW Sec. 2 5N 12W	1540'	2-8-77	GL 520'
Laurence H. Armour, Jr.		Hardin #1	330° S 330° W NEc Sec. 10 5N 12W	2956'	9-10-77	GL 555'
d/b/a Lamar Properties, Triple "B" Oil Producers, Inc.		Barcroft & Newell Comm. #1	330° S 330° E NWc NE Sec. 13 5N 12W	1045'	11-9-77	GL 514'



## WELLS PLUGGED IN 1977

OPERATOR	WELL NAME & NO.	LOCATION	TOTAL DEPTH	DATE PLUGGED	ELEV.
<b>EOGAR COUNTY</b>					
Earnest Zink	Zink #2	430°N 330°E SWc SE NE Sec. 12 12N 14W	560'	9-1-77	G.L.750'
Roberts & Associates	Asa Baber #1	330°S 330°E NWc NE Sec. 16 13N 13W	485'	4-9-77	G.L.710'
Earnest Zink	Clapp #10	800°N 60°W Sec. SW Sec. 33 13N 13W	595'	6-10-77	G.L.750'
Mary Wright	Mary Wright #1	830°N 330°E NWc NE Sec. 31 14N 10W	1100'	6-9-77	G.L.632'
Mary Wright	Mary Wright #2	330°S 330°E NWc NE Sec. 31 14N 10W	240'	6-10-77	G.L.625'
<b>EDWARDS COUNTY</b>					
Spartan Petroleum Company	Clyde Shelby #1	330°N 330°E SWc SE NW Sec. 5 1N 10E	4160'	5-27-77	G.L.414'
Hocking Oil Co., Inc.	James Miller #1	330°S 330°E NWc SE SW Sec. 8 1N 10E	4050'	6-9-77	G.L.438'
R. Michael Harris, Inc.	Nellie R. Van Schoick #1-B	742°S 330°E NWc SW Sec. 9 1N 10E	4021'	6-23-77	G.L.404'
Spartan Petroleum Co.	Harris Community #1	990°S 330°E NWc NE NW Sec. 18 1N 10E	5220'	6-9-77	G.L.383'
Spartan Petroleum Co.	T. C. Proesche #1	330°S 330°E SWc SE SW Sec. 22 1N 10E	3325'	6-30-77	G.L.432'
Spartan Petroleum Co.	Elroy Equipment Co. #1	660°N 330°E SWc NW SW Sec. 23 1N 10E	3359'	11-7-77	G.L.432'
Centra Corporation	Elroy #1	330°N 330°W Sec. SW Sec. 29 1N 10E	4153'	11-7-77	G.L.502'
Southern Triangle Oil Co.	Roy Gill #1	1750°S 990°W NEc Sec. 31 1N 11E	4194'	6-20-77	G.L.431'
Southern Triangle Oil Co.	Roy Gill #2	1350°S 990°W NEc Sec. 31 1N 11E	2420'	7-8-77	G.L.503'
Gilbert A. Higgins	Edward Rothrock #1	330°N 330°E NWc NE Sec. 6 1N 14W	2420'	6-24-77	G.L.492'
F. E. Frassato	Campbell Heirs #1	660°S 330°E NWc NE Sec. 7 1N 14W	3833'	7-23-77	G.L.495'
Western Oils, Ltd.	Mawes #1	330°N 330°E SWc NW SE Sec. 33 1N 14W	3960'	7-9-77	G.L.470'
John E. Brown, Jr.	Carl Kent Community #5	330°N 330°E SWc NE SE Sec. 31 2N 14W	3640'	2-3-77	G.L.420'
Edward J. Saxe	Delbert C. Scranton #2	330°S 945°W NEc NE SE SW Sec. 31 2N 14W	2420'	9-28-77	G.L.460'
Juniper Petroleum Corp.	Lyle Thread #2	330°S 945°W NEc NE SE SW Sec. 31 2N 14W	3256'	5-28-77	D.F.514'
Charles C. White	St. Ledger #82X-24	540°S 330°E NWc NE Sec. 15 1S 10E	4240'	8-19-77	G.L.464'
Louis A. Pessina	Delbert Bunting #1	660°S 330°W NEc NE Sec. 24 1S 10E	3836'	1-4-77	G.L.450'
J. W. Rudy Co.	Delbert Bunting #1	345°N 330°W NEc NE Sec. 25 1S 10E	3246'	11-28-77	G.L.448'
Rush Creek Oil Co., Inc.	Russell Koertge #4	330°S 330°W NEc NW SE Sec. 4 1S 14W	3656'	11-18-77	G.L.406'
Phil Church Oil & Earl Hoskins	Haessler-Gould Comm. #1	1650°N 330°W SEC NE SW Sec. 6 1S 14W	3215'	9-40-77	G.L.434'
Modern Explorations	Mary Bunting #1	380°N 330°E SWc Sec. 12 2S 10E	3200'	6-17-77	G.L.465'
Ram Oil Co.	Hamilton #1	370°N 990°W SEC NW SE Sec. 18 2S 10E	3363'	9-6-77	G.L.425'
Ram Oil Co.	Noel Everett #1	330°S 330°E NWc NE NE Sec. 32 2S 10E	3340'	10-29-77	G.L.386'
Raymond A. Messman	Whitehead #2	960°S 1650°E NWc NW Sec. 7 2S 11E	3206'	5-12-77	G.L.444'
John M. Zanetti	Frank Friber #1	330°S 330°W NEc SE NE Sec. 8 2S 14W	3670'	11-2-77	G.L.399'
Elmer Laurent	Siegert-Forney Comm. #4	330°S 330°E NWc SE Sec. 28 2S 14W	2925'	11-2-77	G.L.448'
Laurent Oil Co.	Albert Walker #3	643°S 330°W NEc NW SE Sec. 29 2S 14W	3084'	5-27-77	G.L.415'
M. V. Ring	Vern Gould Etal #1	330°S 330°E NWc NE NW Sec. 32 2S 14W	3095'	6-1-77	G.L.419'
M. V. Ring	Fannie Bunting #1	330°N 330°W SEC NE NW Sec. 9 3S 10E	3422'	6-3-77	G.L.458'
M. V. Ring	Carroll Perkins #2	330°N 330°W SEC SW NE Sec. 9 3S 10E	3333'	8-25-77	G.L.405'
Black & Black Oil Co.	John Tinckham #1	330°N 330°W SEC SW SE Sec. 9 3S 10E	3313'	7-25-77	G.L.381'
Black & Black Oil Co.	L. McCarty #1	990°S 990°E NWc NE Sec. 13 3S 10E	3197'	3-16-77	G.L.424'
Black & Black Oil Co.	L. McCarty #2	850°S 330°E NWc Sec. 13 3S 10E	1992'	3-26-77	G.L.472'



## WELLS PLUGGED IN 1977

OPERATOR	WELL NAME & NO.	LOCATION	TOTAL DEPTH	DATE PLUGGED	ELEV.
H & W Oil Company, Inc.	Benton North Unit #5	660° S 330° E NW 1/4 NE NW Sec. 36 5S 2E	2610'	12-24-77	G.L.434'
H & W Oil Company, Inc.	Chenault Heirs #2	430° N 330° W Sec SW NE Sec. 36 5S 2E	2862'	12-21-77	G.L.430.6'
H & W Oil Company, Inc.	Walsh #2	990° N 330° E SW 1/4 NW NE Sec. 36 5S 2E	2727'	12-31-77	G.L.441'
David F. Herley	Cochrane #1	330° N 330° E SW 1/4 NW NE Sec. 36 5S 2E	3950'	5-17-77	G.L.423.0'
Juniper Petroleum Corp.	Juniper Petroleum Et al #51X-9	330° S 400° E NW 1/4 NE Sec. 9 5S 3E	2869'	2-12-77	G.L.428'
C. E. Brehm d/b/a	Kelso Comm. #1	330° S 330° E NW 1/4 NE SE Sec. 10 5S 3E	4000'	4-20-77	G.L.472.0'
C. E. Brehm Drilling & Producing	Whittington #1	330° S 330° E NW 1/4 SE NW Sec. 11 5S 3E	3986'	6-3-77	G.L.471.0'
C. E. Brehm Drilling & Producing	Whittington #1	330° S 330° E NW 1/4 SE NW Sec. 11 5S 3E	4148'	12-23-77	G.L.439'
Duke Resources Corp.	Johnson Heirs #1	330° N 330° E SW 1/4 NE Sec. 24 5S 4E	3253'	12-8-77	G.L.462'
Duke Resources Corp.	Walter Duncan	380° S 330° E NW 1/4 NE NE Sec. 4 6S 3E	3904'	7-13-77	G.L.457'
C. E. Brehm d/b/a	U. S. Steel #Q 1	330° N 980° E SW 1/4 NE SW Sec. 24 6S 4E	3249'	6-17-77	G.L.511'
C. E. Brehm Drilling & Producing	U. S. Steel #5	330° N 330° W Sec NE SW Sec. 26 6S 4E	3120'	10-4-77	G.L.469'
C. E. Brehm Drilling & Producing	U. S. Steel #9	330° S 330° W NE SW Sec. 26 6S 4E	3153'	10-6-77	G.L.471'
C. E. Brehm d/b/a	Pulverman "E" #1	950° S 900° E NW 1/4 SW SE Sec. 34 6S 4E	3252'	1-4-77	G.L.445'
C. E. Brehm Drilling & Producing	Franklin County Mining Co. #1-L	330° N 330° E SW 1/4 NW NE Sec. 1 7S 4E	3461'	10-10-77	G.L.585'
William E. Lampley					
GALLATIN COUNTY					
Leo Angermeier, Jr.	Kenneth Edwards #1	330° N 330° W Sec NW Sec. 25 7S 9E	3105'	2-3-77	G.L.385'
C. Richard Collins & Floyd Collins	D. H. Bond #1	330° S 330° E NW 1/4 NE NE Sec. 26 7S 9E	2352'	11-4-77	D.F.384'
d/b/a Collins Brothers Oil Co.	Luther Rister #1	330° S 330° E NW 1/4 NE NE Sec. 26 7S 9E	1987'	9-23-77	D.F.367'
Exxon Corp.	Charles D. Mosley #1	330° S 330° E NW 1/4 NE NE Sec. 26 7S 9E	1987'	9-23-77	D.F.367'
Shawnee Petroleum Associates Inc.	Thurman Woodard #1	1048° N 330° W Sec NE Sec. 26 7S 9E	2632'	5-19-77	G.L.359'
Shawnee Petroleum & Supply Co.					
C. E. Brehm Drilling & Producing	Tuttle Comm. #1	330° N 330° W Sec SW Sec. 18 8S 9E	2938'	2-1-77	G.L.366'
C. E. Brehm Drilling & Producing	E. T. Jones #1	330° S 330° W NE SW Sec. 11 8S 9E	2915'	6-14-77	G.L.373'
Ashland Oil, Inc.	G. L. Jones #1	330° S 330° W NE SW Sec. 11 8S 9E	2526'	7-5-77	G.L.373'
Ashland Oil, Inc.	George Jones #2	330° N 330° W Sec SW SW Sec. 11 8S 9E	2570'	6-14-77	D.F.378'
Ashland Oil, Inc.	Jones #3	330° N 330° E SW Sec. 11 8S 9E	2535'	6-22-77	G.L.372'
Ashland Oil, Inc.	G. L. Jones #3	330° S 330° W NE SW Sec. 11 8S 9E	2524'	6-23-77	G.L.376'
Ashland Oil, Inc.	Anna Moyer #1	330° N 330° E SW NW SW Sec. 11 8S 9E	2199'	6-9-77	G.L.385'
Ashland Oil, Inc.	F. H. Williams #3	330° S 330° E NW NE NE Sec. 11 8S 9E	2536'	7-7-77	G.L.373.4'
Ashland Oil, Inc.	Foster #1	330° S 330° E NW NE NE Sec. 11 8S 9E	2519'	6-20-77	G.L.376'
Ashland Oil, Inc.	Lane Foster #2	330° N 330° E SW NE NE Sec. 14 8S 9E	2521'	6-16-77	G.L.374'
Ashland Oil, Inc.	Lane Foster #3	330° S 330° E NW NE NE Sec. 14 8S 9E	2545'	6-17-77	G.L.374'
Ashland Oil, Inc.	Wilbur Moyer #1	330° S 330° E NW NE NE Sec. 14 8S 9E	2539'	9-17-77	G.L.366'
Ashland Oil, Inc.	Joseph Wargel #1	330° S 330° E NW NE NE Sec. 14 8S 9E	2538'	9-17-77	G.L.369'
George J. Mitchell Drilling Contractor	Bim Jones #1	330° N 330° E SW NE NE Sec. 15 8S 9E	2542'	6-7-77	G.L.381'
Ashland Oil, Inc.					

Charles M. Carraway	Maloney #4	330°N 330°W Sec. NE SW Sec. 25 8S 9E	2985'	10-21-77	GL 375'
Charles M. Carraway	Maloney #5	330°N 330°W Sec. NW SW Sec. 25 8S 9E	2812'	10-19-77	GL 377'
Charles M. Carraway	Maloney 'C' #6	330°S 990°W NE SE NW Sec. 25 8S 9E	2864'	10-20-77	GL 371'
Charles M. Carraway	Maloney #1	330°S 330°W NE SE NW Sec. 36 8S 9E	2178'	10-18-77	GL 361'
George N. Mitchell Drilling Contractor	Barn #2	330°S 330°W NW SE NW Sec. 2 8S 10E	2393'	11-16-77	GL 348'
Mid-States Oil Properties, Inc.	West Unit C-547 #54 (Arensman #1)	330°S 330°W NE SW NE Sec. 15 8S 10E	2393'	11-12-77	GL 343'
HAMILTON COUNTY					
Black Hawk Resources Corp.	Pollard #12-25	330°N 330°E SW NE NW Sec. 25 3S 7E	4310'	9-21-77	GL 376'
Gadalu Oil Co.	Marvin Dozier #1	330°S 330°W NE SW NW Sec. 13 4S 7E	3495'	8-22-77	GL 452'
C. E. Behm d/b/a	Basinger Comm. #1	330°N 330°W Sec. NE Sec. 13 6S 7E	4415'	6-4-77	GL 457'
South Eastern Oil Production Company, Inc.	Julius Thompson #1	330°S 330°W NE SW Sec. 33 6S 7E	3316'	5-12-77	GL 393 3'
Fletcher F. Farrar	Uriah Foster #1	330°S 330°W NE SW Sec. 22 6S 5E	3209'	9-21-77	GL 481'
Fletcher F. Farrar	Uriah Foster #2	330°S 330°W NE SW Sec. 22 6S 5E	3215'	9-27-77	GL 483'
Fletcher F. Farrar	Uriah Foster #3	330°N 330°W Sec. NW SW Sec. 22 6S 5E	3235'	9-24-77	DF 503
Fletcher F. Farrar	Uriah Foster #4	330°N 330°E SW NW SW Sec. 22 6S 5E	3400'	9-16-77	GL 493
Fletcher F. Farrar	Uriah Foster SWO #4	330°S 330°E SW NE SW Sec. 22 6S 5E	3310'	9-14-77	GL 465'
Gene Duncan & Herbert E. Fear	Marion Cox #4	330°N 330°E SW NE SE Sec. 22 6S 6E	3375'	9-28-77	DF 457'
d/b/a Fear & Duncan Oil Producers	Marion Cox #5	180°S 330°E NW NE SE Sec. 8 6S 6E	3285'	6-6-77	GL 400'
Gene Duncan & Herbert E. Fear	W. W. Daily #7 (Tract 11) Dale Unit	330°N 660°W Sec. Sec. 8 6S 6E	3280'	6-8-77	DF 402'
d/b/a Fear & Duncan Oil Producers	Pearson #1 Comm.	986°N 1025°W Sec. NE Sec. 12 6S 6E	3243'	4-29-77	GL 378
Texaco Inc.	Reeves Comm. #1	330°N 330°W Sec. NE Sec. 13 6S 6E	3298'	5-3-77	GL 416'
Joe A. Dull	Tatum-Russell Comm. #1	330°S 990°W NE Sec. 24 6S 6E	2500'	6-14-77	GL 396 3'
Lynn Ann Oil Co.	C. W. Hall #1-A Tract 34	330°S 330°E NW NE NW Sec. 31 6S 6E	3234'	6-16-77	GL 371'
Texaco Inc.	Bonan #2	330°N 330°W Sec. SW SW Sec. 8 6S 7E	3062'	4-28-77	GL 371'
Duke Resources Corp.	J. W. Miller #1	330°S 330°W NE SW NE Sec. 28 6S 7E	4302'	12-23-77	GL 467'
Williams R. & Phyllis Becker	J. W. Miller #1	330°S 330°W NE SW NE Sec. 28 6S 7E	4302'	12-23-77	GL 405'
Duke Resources Corp.	R. E. McKenzie #1	330°S 330°W NE SW NE Sec. 36 6S 7E	4250'	11-13-77	GL 407'
Reynolds & Vincent, Inc.		330°S 330°W NE SW Sec. 12 7S 7E	4340'	8-15-77	GL 399
JACKSON COUNTY					
Comanche Oil Corp.	Coffer #3	330°S 330°W NE Sec. 11 7S 2W	3390'	7-3-77	GL 450'
Emerson Enterprises, Inc.	William F. Herring #1	330°N 330°W Sec. NE Sec. 20 8S 2W	1937'	5-27-77	GL 399 5'
JASPER COUNTY					
R. W. Harper, Jr.	H. H. Harvey #1	330°N 330°W Sec. SW SE Sec. 1 5N 9E	2999'	6-30-77	DF 532'
R. W. Harper, Jr.	H. H. Harvey #2	330°S 330°W NE SW SE Sec. 1 5N 9E	2983'	7-1-77	DF 532'
Triple 'B' Oil Producers, Inc.	McConnell #4	330°N 330°E SW NE SE NW Sec. 6 5N 10E	3022'	10-28-77	GL 524'
Triple 'B' Oil Producers, Inc.	McConnell #5	330°N 330°E SW NE SE NW Sec. 6 5N 10E	2975'	11-2-77	GL 529
Triple 'B' Oil Producers, Inc.	McConnell #6	330°S 330°E SW NE SE NW Sec. 6 5N 10E	2975'	11-2-77	GL 529
Elton M. Botts	C. R. Harbaugh #2	330°S 330°E SW NE SE NW Sec. 4 6N 10E	2975'	10-7-77	GL 475'
James A. Southerland	K. Sheridan Comm. #1	330°S 330°E NW NE SW Sec. 3 6N 9E	3013'	7-12-77	GL 553'
James A. Southerland	G. Sheridan #1	330°S 330°E NW NE SW Sec. 3 6N 14W	2937'	8-25-77	GL 484'
F. M. Minor Drilling Co.	Nelson Cox #2	330°N 330°E SW NE NW Sec. 13 7N 10E	3067'	9-4-77	GL 489'
F. M. Minor Drilling Co.	Floyd Cox #3	660°S 330°E NW SW SW Sec. 13 7N 10E	2584'	7-7-77	DF 531'
F. J. Brown	Hume Burton-Marshall Comm. #1	330°N 330°E SW NE Sec. 22 7N 10E	2584'	7-11-77	GL 529
F. M. Minor Drilling Co.	Alexander #1	330°N 560°W Sec. NE NW Sec. 24 7N 10E	2578'	7-5-77	DF 529

## WELLS PLUGGED IN 1977

OPERATOR	WELL NAME & NO.	LOCATION	TOTAL DEPTH	DATE PLUGGED	ELEV.
F. M. Minor Drilling Co.	Alexander Cons. #1	690' N 330' W Sec NW Sec. 24 7N 10E	2590'	6-21-77	D.F.530'
Bangert Casing Pulling Corp.	Michi #1	330' S 330' E NW Sec. 26 7N 10E	2693'	10-11-77	G.1.535'
C. C. Reed	Dnom #1-B	330' S 330' W Sec SW Sec. 27 7N 10E	2738'	5-17-77	G.1.520'
Southern Illinois Oil Producers, Inc.	N. Kerner #1	330' N 660' E SW Sec NE Sec. 28 7N 10E	3090'	9-48-77	G.1.526'
Bangert Casing Pulling Corp.	Dnom Hens #1-A	330' S 660' W Sec NE NE NW Sec. 34 7N 10E	2988'	7-26-77	G.L.487.4'
Miller Oil Co.	R. Vahling #1	330' S 330' E NW Sec. 29 8N 9E	2858'	11-5-77	G.L.572.45'
JEFFERSON COUNTY					
George N. Mitchell Drilling Contractor	Paul Hart #1	660' N 660' E SW Sec NE Sec. 26 1S 1E	4028'	10-10-77	G.L.547'
Exxon Corp.	Dix R. & P. M. #5-R	25 S 45' W Sec SE NW Sec. 9 1S 2E	2044'	10-4-77	G.L.550'
Louis H. Kapp, Jr.	Clarence Davis #1	330' S 330' E NW Sec NE NW Sec. 21 1S 4E	3480'	11-27-77	G.L.449'
Farmer's Petroleum Cooperative, Inc.	Ellis-Ward Comm. #1	330' N 990' E SW Sec NW SE Sec. 21 1S 4E	3498'	7-31-77	G.L.473'
Jack Hobson & T. J. Hobson	Byars #1	330' S 330' E NW Sec NE Sec. 23 1S 4E	3430'	8-24-77	G.L.501'
d/b/a Hobson Oil Co.	Sam Bradford #1	330' S 330' E NW Sec SW SE Sec. 24 1S 4E	3625'	9-25-77	G.L.480'
Van Fossan Associates	Meyer #3	330' N 280' W Sec SE SE Sec. 34 2S 1E	1986'	4-22-77	G.L.470'
Eddie M. Self	Meyer #4	439' N 330' W Sec SE SE Sec. 34 2S 1E	1823'	4-20-77	G.L.470'
Eddie M. Self	Tony Myers #2	330' S 330' E NW Sec NE Sec. 34 2S 1E	2256'	9-16-77	G.L.479'
Peter S. Smalley	Margarette Smalley #1	330' S 330' E NW Sec NE Sec. 34 2S 1E	3630'	12-19-77	G.L.394'
Northwestern Oil Associates	Barczewski Etal #1	330' S 330' E NW Sec NW NE Sec. 36 2S 4E	4050'	7-21-77	G.L.470.8'
Northwestern Oil Co., Inc.	Scott #1-A	660' N 990' E SW Sec SE Sec. 4 3S 4E	3906'	4-20-77	G.L.485'
C. E. Brehm Drilling & Producing	Griffith #1	990' N 330' W Sec SW SE Sec. 35 4S 3E	3960'	3-22-77	G.L.460'
C. E. Brehm d/b/a	Duward #1	990' N 330' W Sec Sec. 16 4S 4E	3390'	6-10-77	G.L.509'
C. E. Brehm Drilling & Producing	Logan #1	990' S 330' E NW Sec NE Sec. 26 4S 4E	4337'	5-3-77	G.L.517'
C. E. Brehm Drilling & Producing	Cross #1				
LAWRENCE COUNTY					
Loeffler Oil Corp.	Barthelmy #1 (Formerly Wilson #1)	330' S 330' E NW Sec NW NE Sec. 20 2N 11W	1860'	3-4-77	G.L.439'
Loeffler Oil Corp.	Boyer Comm. #2	330' S 330' E NW Sec NW SE NW Sec. 20 2N 11W	1872'	2-25-77	G.L.423'
Loeffler Oil Corp.	Lyon's #5 (WH-1)	330' S 330' E NW Sec SW SE Sec. 20 2N 11W	1865'	2-15-77	G.L.420'
Loeffler Oil Corp.	Lyon's #6	330' S 330' E NW Sec SW SE Sec. 20 2N 11W	1852'	2-17-77	G.L.420'
Loeffler Oil Corp.	Lyon's #7	330' S 330' E NW Sec SW SE Sec. 20 2N 11W	1867'	2-23-77	G.L.420'
Loeffler Oil Corp.	Wilson 'B' #1	848' N 121' E NW Sec SE Sec. 20 2N 11W	1871'	3-2-77	G.L.420'
Loeffler Oil Corp.	Tustin #1	330' N 570' W Sec SW Sec. 1 2N 12W	328'	12-29-77	G.L.487'
Kirkwood d/b/a Calliente Oil Co.	990' S 568' W Sec Sec. 14 2N 12W		2700'	8-1-77	G.L.431'
Wavne Smith, Operator, Inc.	Gerald Spidel #22	330' N 330' W Sec NE Sec. 22 2N 12W	1856'	5-25-77	G.L.445'
Wavne Smith, Operator, Inc.	Viral Deckard #1				









## WELLS PLUGGED IN 1977

OPERATOR	WELL NAME & NO.	LOCATION	TOTAL DEPTH	DATE PLUGGED	ELEV
Illinois Power Co.	Moffatt #1	330°W NE SE Sec. 36 3S 6W	800'	12-16-77	G.L.520'
Edward C. Rust, Trustee	Fred Kirchhoefer #1	330°N 330°E SWc NE Sec. 27 3S 7W	271'	4-27-77	G.L.420'
Edward C. Rust, Trustee	Fred Reinhardt-Charles Yasley Comm. #1	330°N 330°E SWc Sec. 27 3S 7W	265'	4-27-77	G.L.427'
Ed C. Rust #1		330°S 330°W NEC NE Sec. 33 3S 7W	250'	5-16-77	
ISALINE COUNTY					
Carl Roysce d/b/a C. E. R. Production Co.	Ewell Harris Etal #1	330°S 330°W NEC NW Sec. 11 8S 5E	3158'	8-9-77	D.F.431'
Carl Roysce d/b/a C. E. R. Production Co.	E. Harris #1-A	390°S 330°E NE NW Sec. 11 9S 5E	3163'	8-4-77	G.L.438'
Duke Resources Corp.	Bennett #1-A	330°E 330°E NE NW Sec. 14 8S 5E	2985'	8-24-77	G.L.377.9'
Duke Resources Corp.	Triplet #1	330°E 330°E SWc SE Sec. 14 8S 5E	3072'	8-26-77	G.L.378'
Duke Resources Corp.	Melzer #1	330°E 330°E SWc SE Sec. 25 8S 5E	2883'	8-31-77	G.L.399.6'
Duke Resources Corp.	Choisser-Whitite #1	310°S 400°E NWc SW Sec. 26 8S 5E	3090'	11-30-77	G.L.429.9'
Duke Resources Corp.	Charles Malone #1	330°N 336°E SWc NE Sec. 26 8S 5E	3107'	4-27-77	G.L.436.9'
Duke Resources Corp.	Burns T. Ryan #2	558°N 410°E SWc NE SE Sec. 27 8S 5E	3055'	4-28-77	G.L.443'
Roy W. Powers	Burns T. Ryan #1	460°N 265°W Sec SW Sec. 28 8S 5E	3073'	6-18-77	G.L.440'
Pacific Exploration Corp.	Ralph L. Owen Etal #1	215°S 480°E NWc Sec. 33 8S 5E	3075'	6-17-77	G.L.446'
Santoro Oil Co., Inc.	Guest #1	330°S 750°E NWc Sec. 15 8S 6E	3003'	9-3-77	G.L.422'
Santoro Oil Co., Inc.	Kittinger #1	330°S 330°W NEC SW SE Sec. 8 8S 7E	2996'	5-19-77	G.L.387'
Pacific Exploration Corp.	Guido Boscarnie #1	345°N 374°W Sec NW SE Sec. 10 8S 7E	2603'	6-28-77	D.F.398'
W. C. McFarland Silurian Oil Co.	Belitz #1	330°S 330°E NWc SE SW Sec. 23 8S 7E	2903'	7-21-77	D.F.394'
R & N Associates	C. & H. #1	410°S 330°E NWc SE SW Sec. 3 9S 5E	2798'	7-22-77	G.L.495'
C. E. Brehm d/b/a		2030°S 990°E NWc SE Sec. 9 9S 5E	4930'	7-19-77	G.L.429'
C. E. Brehm Drilling & Producing	Orzment #1	50°S 330°E NWc Sec. 10 9S 5E	2824'	7-23-77	G.L.424'
C. E. Brehm d/b/a	Pankey Unit #1	150°N 330°W Sec SW Sec. 8 9S 6E	2903'	12-6-77	G.L.375.2'
C. E. Brehm d/b/a	Chicago & Harrisburg Coal Co. #1	325°S 330°W Sec SW Sec. 8 9S 6E	2378'	12-7-77	G.L.410'
C. E. Brehm Drilling & Producing	Chicago & Harrisburg Coal Co. #3	663°S 823°S Sec SW Sec. 8 9S 6E	2441'	12-2-77	G.L.390'
Santoro Oil Co.	John Wells Etal #1	460°S 660°W NEC NW NW Sec. 34 10S 6E	6201'	9-23-77	G.L.586'
Santoro Oil Co.					
Texas Pacific Oil Co., Inc.					
ISANGAMON COUNTY					
Tri-Star Producing Co., Inc.	Ross #4	990°N 330°E SWc SE SW Sec. 4 15N 3W	1788'	10-22-77	G.L.582'
John Carey Oil Co., Inc.	Mason #1	330°S 330°W NEC SW NE Sec. 31 15N 3W	1760'	9-26-77	G.L.590.2'
James U. Dodge	Taft #1	480°N 330°E SWc NE NW Sec. 9 15N 4W	1700'	8-1-77	G.L.527.3'
Tri-Star Producing, Inc.	Carter #8	330°S 825°E NWc SE Sec. 34 15N 4W	1615'	10-28-77	G.L.567'
Tri-Star Producing, Inc.	Block #1	330°S 330°W NEC NW NE Sec. 35 16N 2W	1768'	5-28-77	G.L.567'
Tri-Star Producing, Inc.	Mendenhall Bros. #1	330°S 330°E NWc SW Sec. 25 16N 3W	1745'	4-19-77	G.L.572.2'
W. A. Conley	Lester T. Marshall Comm. #1	990°S 990°E NWc NW SE Sec. 26 16N 3W	1723'	1-5-77	G.L.569.2'
Edward C. Koch	Schaefer #1	330°N 330°W Sec SW Sec. 27 16N 3W	1824'	10-27-77	G.L.569.2'
Tri-Star Producing, Inc.	Waddle #1	430°N 330°E SWc NW NE Sec. 34 16N 4W	1596'		G.L.573.2'

## SANGAMON COUNTY

## SCHUYLER COUNTY

Claude McElvain

De Kane Oil Co.

## SHELBY COUNTY

John P. Patsch

## TAZEWELL COUNTY

A. M. Scroggin

## WABASH COUNTY

RK Petroleum Corp.

M &amp; M Operating Co.

Southern Triangle Oil Co.

M &amp; M Oil Co.

John Springfield

William C. Padgett

Southern Triangle Oil Co.

H. B. Hagan #1

Haves Wolf Brothers Oil Co.

Charles E. Fisher, Jr.

J. Roy Dee d/b/a

Illinois Mid-Continent Co. &amp; Dee Drilling Co.

Viking Oil Co.

Viking Oil Co.

Louis A. Pessina

Hocking Oil Co., Inc.

RK Petroleum Corp.

Loeb &amp; Mitchell Oil Co.

Spartan Petroleum Co.

Barbassia Oil, Inc.

Spartan Petroleum Co.

Spartan Petroleum Co.

Hocking Oil Co., Inc.

Hocking Oil Co., Inc.

Francis J. Beard

Southern Triangle Oil Co.

Hocking Oil Co., Inc.

Southern Triangle Oil Co.

Petro Search Associates, Inc.

Gilbert A. Higgins

Charles C. White

J. W. Rudy Co.

Eliel Heirs #1

W. Frese #1

Kenneth R. Freed

Jack &amp; Fred Hocking

Hocking Oil Co., Inc.

Hendrix Corp.

Hocking Oil Co., Inc.

Gilbert A. Higgins

Hood #1

Levertown #1

Evelyn &amp; J. Arthur Weber #1

David H. Cummings #1

Fuller-Smith #1

Yelch Etal #3

Charles Leavings #2

Yelch Etal #2

Kogan #1

Shepard Etal #1

Cotton #1

E. B. Hagan #1

Lancaster Comm. #1

Robert Jones #1

Robert Baumgart #1

Smith-Knowles Etal Unit #1

Herman Stueckler #1

Busfink Etal Comm. #1

Reeves Etal Comm. #1

Warner Buchanan #1

Charles Chapman #5

Tennes "B" Unit #2

Clifton Trece #1

Mounts-Plaffer Comm. #1

Raymond Hester Etal #4

Robert Worth #1

Herman Heirs #1

Tennies Heirs #1

Boscker-Alka Unit #1

Fern G. Alka #1

Keepes Heirs #1

Blanche Tanquary Etal #A 1

Henry Hering #1 P

Hering Etal Unit #1

Carl Raber #1

P. Peter #1

Eliel Heirs #1

W. Frese #1

Fred Hocking

Harold Boscker #1

Hocking Oil Co. #1

Chris Boscher #1

Ella Schuch #1

Alka #4 H

330°N 709°W SEC NE NW Sec. 24 2N 2W

330°S 330°W NEC Sec. 3 1S 2W

370°N 370°E SWC Sec. 28 12N 2E

330°N 330°W SEC SW NE NE Sec. 28 26N 3W

900°S 60°E NW Sec. 8 1N 11W

990°S 430°E NW Sec. 3 of location 1 Sec. 8 1N 11W

900°S 990°E SWC SE NW Sec. 17 1N 11W

600°S 327°E NW Sec. 18 1N 11W

330°N 330°E SWC SE NE Sec. 2 1N 12W

330°N 330°E SWC SE NW Sec. 1S 12W

330°N 330°E SWC SE NW Sec. 1S 12W

330°S 330°W NEC NW NE Sec. 27 1N 12W

660°S 680°W NEC SW Sec. 4 1N 13W

330°N 1650°W SEC N 2 NE Sec. 7 1N 13W

330°N 330°E SWC NW NW Sec. 23 1N 13W

421°S 330°E NW Sec. 25 1N 13W

330°S 330°E NW Sec. 25 1N 13W

330°N 660°W SEC NE NE Sec. 22 1N 14W

330°N 990°W SEC NE NE Sec. 36 1N 14W

330°S 510°E NW Sec. 32 2N 11W

622°S 187°E NW Sec. 18 1S 12W

330°N 330°E SWC NW NE Sec. 19 1S 12W

330°N 330°E SWC SE Sec. 4 1S 13W

330°S 330°E NW SW SW Sec. 13 1S 13W

330°N 377°W SEC SW SE Sec. 14 1S 13W

330°N 330°E SWC NW Sec. 14 1S 13W

400°S 400°E NW Sec. 24 1S 13W

330°N 990°W SEC NE Sec. 30 1S 13W

330°S 330°E NW SE Sec. 31 1S 13W

330°N 360°E SWC Sec. 32 1S 13W

330°S 330°E NW SE Sec. 12 1S 14W

330°S 660°W NEC SW Sec. 26 1S 14W

330°N 330°W SEC NW SW Sec. 27 1S 14W

330°N 530°W SEC NE NW Sec. 34 1S 14W

330°S 330°W NEC NW SE Sec. 34 1S 14W

330°S 990°E NW NE SW Sec. 12S 13W

614°S 330°W NEC NW Sec. 3 2S 13W

330°N 544°W SEC SW NE Sec. 62S 13W

330°N 330°W SEC Sec. 10 2S 14W

330°N 330°E SWC SE SW Sec. 11 2S 14W

330°N 330°E SWC NE Sec. 14 2S 14W

330°N 330°E NW NE Sec. 26 2S 14W

1000°S 2680°W NEC NW Prac. Sec. 7 3S 13W

762°

660°

1579°

1620°

2720°

2110°

1408°

2890°

2046°

1832°

2982°

3050°

4536°

2805°

2776°

1726°

1750°

3811°

3660°

2850°

2071°

1697°

3470°

3550°

3602°

3103°

3212°

2900°

3450°

3480°

3625°

2736°

3700°

3063°

2805°

3222°

2350°

2617°

2983°

3860°

3396°

3696°

3617°

4153°

10-24-77

4-7-77

4-29-77

6-2-77

10-20-77

12-9-77

5-5-77

GL 396

GL 397

GL 477

GL 434

GL 472

GL 483

GL 418

GL 485

GL 435

GL 783

GL 431

GL 456

GL 397

GL 437

GL 393

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GL 425

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GL 443

GL 482

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GL 398

GL 398

GL 396

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GL 392

GL 405

GL 422

GL 400

GL 399

GL 396

GL 381

GL 381

## WELLS PLUGGED IN 1977

OPERATOR	WELL NAME & NO.	LOCATION	TOTAL DEPTH	DATE PLUGGED	ELEV.
WASHINGTON COUNTY					
Louis H. Kapp, Jr.	Susie Baldwin #1	330°N 330°E SWc SE SE Sec. 15 1S 4W	2428'	9-21-77	G.L. 437'
Charles T. Evans	Edwards Hens #1	330°S 330°W NEc NW NW Sec. 22S 1W	1505'	5-13-77	G.L. 527'
Cecil W. Newcomb	Ralph Schmale #1	330°S 330°W NEc SE Sec. 9 2S 1W	3325'	5-14-77	G.L. 527'
Cecil W. Newcomb	Carl Mill #1	330°S 330°E NWc SW NW Sec. 6 3S 1W	1270'	9-18-77	G.L. 527'
N. A. Badridge	Edward Nagle #1	330°N 330°E SWc NE SW Sec. 8 3S 1W	1255'	11-7-77	G.L. 541'
N. A. Badridge	Edward Nagle #2	330°N 330°E SWc NE SW Sec. 8 3S 1W	1272'	11-7-77	G.L. 553'
N. A. Badridge	Edward Nagle #3	330°N 330°E SWc NE SW Sec. 8 3S 1W	1280'	4-25-77	G.L. 558'
G. K. Goodridge	Tomaszewski #1 A.	330°N 330°W Sec NW NE Sec. 8 3S 1W	1295'	11-25-77	G.L. 552'
N. A. Badridge	John Klaybor #2	330°S 330°E NWc SW NE Sec. 17 3S 1W	1290'	11-23-77	G.L. 554'
N. A. Badridge	John Klaybor #4	330°S 330°W NEc SW NE Sec. 17 3S 1W	1408'	11-22-77	G.L. 552'
N. A. Badridge	Piotrowski #1	330°S 330°E NWc NE SE Sec. 17 3S 1W	1402'	11-29-77	G.L. 552'
Leland Monken	L. Johannes #2	330°S 330°E NWc NE SE Sec. 14 3S 2W	1367'	7-17-77	G.L. 510'
C. E. Brehm d/b/a	Bochtan Comm. #1	660°N 660°E SWc Sec. 35 3S 2W	7332'	1-30-77	G.L. 454'
C. E. Brehm d/b/a	Nelson Ibendahi #1	330°N 330°E SWc NE SW Sec. 34 3S 3W	1301'	10-24-77	G.L. 516'
Elmer Oaize, Jr.	Theodore Stern #1	330°N 330°E SWc NE SW Sec. 34 3S 3W	902'	9-15-77	G.L. 501'
Conway Tucker	O. Stolz #1	330°N 330°E SWc NE SW Sec. 27 3S 5W	1177'	12-20-77	G.L. 497'
Seymour S. Smith & David A. Smith					
WAYNE COUNTY					
Juniper Petroleum Corp.	Chester Hansen #23 10	330°S 330°W NEc SW NW Sec. 10 1N 5E	3807'	12-22-77	G.L. 493'
United States Oil, Inc.	Reba L. Alred #1	330°S 330°W NEc NW NW Sec. 28 1N 5E	3030'	6-8-77	G.L. 467'
Booth Oil Co., Inc.	George Martin #1	330°S 330°E NWc SW NE Sec. 4 1N 6E	3850'	8-15-77	G.L. 512'
Booth Oil Co., Inc.	Geo. Marchett #1	330°S 330°E NWc NE SW Sec. 20 1N 6E	340'	9-8-77	G.L. 524'
Booth Oil Co., Inc.	Hargrave #1	330°S 330°W NEc SW NW Sec. 29 1N 6E	3850'	10-7-77	G.L. 517'
Booth Oil Co., Inc.	Oakley Ellis #1	330°S 330°W NEc SW Sec. 30 1N 6E	3850'	7-1-77	G.L. 509'
Eldon Doty d/b/a Republic Oil Co., Inc.	Loss #1	330°S 330°E NWc NE SE Sec. 7 1N 7E	3307'	3-12-77	G.L. 468'
Booth Oil Co., Inc.	W. Atterberry #1	330°N 330°W Sec SW Sec. 13 1N 7E	3200'	6-17-77	G.L. 434'
Richard W. Beeson	Harold Barnard #2	330°S 330°W Sec SW Sec. 35 1N 7E	555'	3-26-77	G.L. 440'
Perry Fulk	Laird #1	330°N 660°E SWc NE NW Sec. 35 1N 7E	3134'	8-1-77	G.L. 413'
Eldon Doty d/b/a Republic Oil Co., Inc.	Shackelford #5	330°S 330°W NEc SE SW Sec. 2 1N 8E	3800'	7-14-77	G.L. 460'
Van Fossan Associates	ELMO Powell #1	330°S 330°W NEc SE SW Sec. 6 1N 8E	3715'	9-4-77	G.L. 406'
Hanson Oil Co., Inc.	Oreicht #1	330°N 330°W Sec SW Sec. 9 1N 8E	3650'	6-2-77	G.L. 424'
Black Hawk Resources Corp.	Taylor #1	330°S 330°E NWc SW Sec. 10 1N 8E	3700'	10-2-77	G.L. 455'
Huber Rose	Wilkins Et al #43 11	330°S 330°W NEc SE SW Sec. 11 1N 8E	3807'	7-28-77	G.L. 391'
Black & Black Oil Co.	Fred W. Knepper #1 B	330°N 330°W Sec SW NE Sec. 21 1N 8E	3807'	7-28-77	G.L. 391'
Black & Black Oil Co.	Knepper Hens #2	330°N 330°W Sec SW NE Sec. 12 1N 9E	4100'	12-1-77	G.L. 419'
Booth Oil Co., Inc.	Indian Prairie Farms #1	330°N 330°E SWc SE Sec. 20 2N 6E	3740'	2-11-77	G.L. 392'
Eldon Doty d/b/a Republic Oil Co., Inc.	Spitzner #1	330°S 330°E NWc NE SE Sec. 26 2N 6E	3207'	9-24-77	G.L. 488'
David F. Herley	Pauline 'B' #1	330°S 530°W NEc NW NE Sec. 22 2N 7E	3616'	10-5-77	G.L. 442'

Santoro Oil Co., Inc.	M. Wells Et al #1	330°S 660°W NE NE SE Sec. 25 2N 7E	3747'	10-18-77	G.L.440'
Booth Oil Co., Inc.	Pittman #1	330°N 330°W Sec SW Sec. 28 2N 7E	3179'	7-7-77	G.L.455'
Floyd E. Thompson Oil Co., Inc.	A. Knapp #1	330°S 660°E NW Sec. 33 2N 7E	3201'	6-28-77	G.L.449'
Booth Oil Co., Inc.	T. R. Michaels #1	330°S 330°E NW NE NW Sec. 33 2N 7E	3210'	7-7-77	G.L.452'
Union Oil Co. of California	Carman Consolidated A #1	330°S 330°W NE NE Sec. 34 2N 7E	3127'	10-24-77	G.L.452'
Union Oil Co. of California	Carman Consolidated B #2	330°S 330°W NE NE Sec. 34 2N 7E	3000'	9-23-77	D.F.449'
Union Oil Co. of California	Flexter Consolidated B #1	330°S 330°W NE NE Sec. 34 2N 7E	2995'	9-30-77	D.F.453'
Union Oil Co. of California	Flexter Consolidated B #2	330°S 330°W NE NE Sec. 34 2N 7E	3000'	10-8-77	D.F.450'
Union Oil Co. of California	Flexter Consolidated B #3	330°S 330°E NW NE NE Sec. 34 2N 7E	2990'	9-22-77	D.F.455'
Union Oil Co. of California	Flexter Consolidated B #4	330°N 330°E NW NE NE Sec. 34 2N 7E	2992'	10-20-77	D.F.400'
Union Oil Co. of California	Parmelia Plew, #3	330°N 330°E SW NE NE Sec. 34 2N 7E	2998'	9-27-77	D.F.451'
Union Oil Co. of California	Jordan School Unit-Flexter Cons. #4 "A"	330°N 330°E SW NW Sec. 35 2N 7E	3000'	9-23-77	D.F.448'
Union Oil Co. of California	George Hearn #1	330°S 330°E SW NW Sec. 35 2N 7E	2990'	10-6-77	D.F.453'
Union Oil Co. of California	George Hearn #2	330°S 330°E SW NW Sec. 35 2N 7E	2990'	10-6-77	D.F.453'
Union Oil Co. of California	George Hearn #3	330°S 330°W NW Sec. 35 2N 7E	2985'	5-15-77	G.L.439'
Union Oil Co. of California	George Hearn #4	330°S 330°W NW Sec. 35 2N 7E	2985'	10-25-77	D.F.428'
Union Oil Co. of California	Hearn Cons. #1	330°S 330°E NW NE NW Sec. 35 2N 7E	2975'	10-22-77	D.F.442'
Union Oil Co. of California	Rex Gill #1	330°S 330°E NW NE NW Sec. 35 2N 7E	2980'	10-13-77	D.F.430'
Santoro Oil Co., Inc.	R. Durfin #1	330°S 330°E NW NE NW Sec. 35 2N 7E	2999'	10-4-77	D.F.452'
Louis H. Kapp, Jr.	Farrence Hosselton #1	330°S 330°E NW NE NW Sec. 20 2N 8E	3733'	11-15-77	G.L.449'
Triple "B" Oil Producers, Inc.	F. Hosselton #5	330°S 330°E NW NE NW Sec. 29 2N 8E	3034'	6-7-77	G.L.441'
Booth Oil Co., Inc.	Shannon #2	330°S 330°E NW NE NW Sec. 29 2N 8E	3695'	6-7-77	G.L.443'
Louis H. Kapp, Jr.	Bert Minor #1	990°N 330°E SW Sec. 29 2N 8E	3050'	6-1-77	G.L.412'
Louis H. Kapp, Jr.	Sam Bradford #1	330°N 330°W Sec NE NE Sec. 36 2N 8E	3576'	10-19-77	D.F.412'
Ernest Sherman	Atress Youngblood #1	330°N 330°E SW Sec. 7 1S 5E	3535'	8-4-77	G.L.507'
Phil Churchill & Earl Hoskins	Reed #1-A	330°N 330°W Sec NW SE Sec. 20 1S 5E	4000'	2-10-77	G.L.514'
d/b/a Modern Explorations	Hardy Sledge #26-1	330°N 330°E SW Sec. 22 1S 5E	3815'	9-7-77	G.L.439'
R. L. Burns Corp	Keen #1	330°N 330°E SW Sec. 28 1S 5E	3830'	10-15-77	G.L.439'
Jerry E. Friend	Louise Reed #1	330°N 330°E SW Sec. 27 1S 5E	3860'	9-2-77	G.L.450'
Phil Churchill & Earl Hoskins	Bradford Comm. #1	330°N 330°W Sec NW NW Sec. 27 1S 5E	3675'	9-2-77	G.L.440'
d/b/a Modern Explorations	Montgomery #1	330°S 330°W NE NW Sec. 28 1S 5E	3809'	9-12-77	G.L.501'
Fletcher F. Farrar	Withrow #1	990°N 330°W NE NW Sec. 28 1S 5E	4004'	8-8-77	G.L.452'
Fletcher F. Farrar	J. M. Knauss #1	330°N 330°E SW NE Sec. 29 1S 5E	4015'	10-10-77	G.L.482'
Richard W. Beeson	Katherine Goff #10	330°S 330°W NE NE Sec. 32 1S 5E	3900'	10-29-77	G.L.451'
Louis A. Pessina	James Goff #11	400°S 370°W NE NE Sec. 34 1S 5E	3817'	6-16-77	G.L.441'
Louis A. Pessina	Jack Ragan #1	330°S 330°E NW NE NE Sec. 34 1S 5E	3675'	7-2-77	G.L.440'
Art Buchanan	Bob & Jim Shreve #1	660°N 373°W Sec SW Sec. 35 1S 5E	3920'	9-18-77	G.L.409'
Allen J. Smith	Lowell M. Johnson #1	430°S 430°E NW NE Sec. 35 1S 5E	3642'	6-26-77	G.L.410'
Crest Oil Co., Inc.	Matthews Comm. #1	330°S 330°E NW NE NW Sec. 36 1S 5E	3788'	10-21-77	G.L.422'
Bufay Oil Co.	Ekleberry #1	330°N 330°E SW Sec. 36 1S 5E	3825'	11-19-77	G.L.431'
David Allison	Manahan #1	330°S 330°E NW NE NE Sec. 11 1S 6E	3300'	10-23-77	G.L.476'
Booth Oil Co., Inc.	Manahan Et al #1	330°N 330°W Sec SW SW Sec. 11 1S 6E	540'	9-21-77	G.L.488'
d/b/a Hobson Oil Co.	H. L. Harrell #3	330°N 330°W Sec SW SW Sec. 4 1S 6E	4066'	2-21-77	G.L.498'
Van Fossan Associates	Lillie Lowe #1	1650°N 330°W Sec NW NW Sec. 4 1S 6E	3890'	1-22-77	G.L.486'
Van Fossan Associates	Don Riley #1A	330°S 330°W NE SW NW Sec. 4 1S 6E	3929'	7-25-77	G.L.489'
Van Fossan Associates	Don Riley #2	380°N 330°W Sec. 11 1S 6E	3250'	6-29-77	G.L.446'
Booth Oil Co., Inc.	J. Taylor #1A	720°N 990°W Sec. 11 1S 6E	3250'	7-9-77	G.L.461'
David Allison	Mattox Comm. #2	1650°S 660°E NW NE NW Sec. 11 1S 6E	3210'	9-26-77	G.L.438'
Booth Oil Co., Inc.	Wilson #1	330°N 330°E SW NW NW Sec. 12 1S 6E	3261'	11-1-77	G.L.507'
Booth Oil Co., Inc.		330°S 330°W NE NW NW Sec. 12 1S 6E	3160'	10-2-77	G.L.502'

## WELLS PLUGGED IN 1977

OPERATOR	WELL NAME & NO.	LOCATION	TOTAL DEPTH	DATE PLUGGED	ELEV.
Booth Oil Co., Inc.	Wilson #2	990 S 330° W NEc NW NW Sec. 12 1S 9E	3255'	5-14-77	G.L.509'
Fletcher F. Farrar	Dewey Bass #1	380° N 330° W SEC NW NW Sec. 14 1S 6E	450'	7-5-77	G.L.448 6'
Fletcher F. Farrar	Hillard Heirs Comm. #1	660° N 330° W SEC NE NW Sec. 14 1S 6E	3832'	8-19-77	G.L.450'
Van Fossan Associates	Thomas Tetrich #1	380° N 330° W SEC NW NW Sec. 14 1S 6E	3785'	1-6-77	G.L.421'
John T. Mitchell	Belford #1	330° N 660° E SWc SE SE Sec. 20 1S 6E	3960'	3-29-77	G.L.445'
Butay Oil Co.	Butcher #1	330° S 330° E NWc NE SW Sec. 20 1S 6E	3230'	9-13-77	G.L.450'
Richard W. Beeson	Fredrick Beeson #1	330° S 330° E NWc NE NE Sec. 23 1S 6E	3878'	4-20-77	G.L.443'
Phil Churchill & Earl Hoskins	Adolph Kudzia #1	500° S 330° E NWc NE SE Sec. 23 1S 6E	3310'	4-14-77	G.L.433'
d/b/a Modern Explorations	Jackson-Gregg #1	330° N 660° E SWc SE NW Sec. 26 1S 6E	3201'	8-22-77	G.L.401'
Joe A. Dull	Renton #3	330° S 330° E NWc NE NE Sec. 26 1S 6E	3232'	10-26-77	G.L.426'
Joe A. Dull	Glen Jackson #1	330° S 330° E NWc NE NE Sec. 26 1S 6E	3570'	6-7-77	G.L.426'
Van Fossan Associates	Herman Hawk #1	593° S 330° E NWc SE NW Sec. 15 1S 7E	4000'	1-7-77	G.L.444'
Shuman Brothers, Inc.	Rippen #8	593° S 330° E NWc SE NW Sec. 15 1S 7E	4012'	6-19-77	G.L.460'
Butay Oil Co.	Shuman #1	330° S 330° W NEc SW NW Sec. 3 1S 7E	3330'	8-31-77	G.L.465'
Ernest Sherman	Mano P. Lofton #1	330° N 330° W SEC N/2 Frc. SW Sec. 19 1S 7E	3246'	7-8-77	G.L.435'
Donald E. Schmitt	F. E. Manahan #1	330° S 330° E NWc SE SE Sec. 19 1S 7E	4020'	9-19-77	G.L.455'
Van Fossan Associates	Perry Young #1	330° S 330° W NEc SE SW Sec. 21 1S 7E	3943'	11-23-77	G.L.473'
Jack Hobson & T. J. Hobson	Harris-Sprague Comm. #1	330° S 330° W NEc SW SW Sec. 27 1S 7E	4125'	1-24-77	G.L.493'
Phil Churchill & Earl Hoskins	Leslie White #1	330° S 330° E NWc NE SW Sec. 29 1S 7E	3974'	11-20-77	G.L.455'
d/b/a Modern Explorations	O. W. Curry #1-B	360° N 330° E SWc NE Sec. Frc. 3 1S 8E	3160'	5-24-77	G.L.391'
Tamarack Petroleum Co., Inc.	Berg #1	660° N 330° E SWc SE SW Sec. 10 1S 8E	3208'	5-14-77	G.L.424'
Beacon Drilling Co.	Harris #2	1650° N 330° E SWc NW Sec. 13 1S 8E	3200'	6-28-77	G.L.424'
John T. Mitchell	Gray 'C' #3	330° S 330° E NWc SE SE Sec. 16 1S 8E	3850'	6-30-77	G.L.430'
Bernard Podolsky	Smith #1	330° N 330° E NWc SE SE Sec. 23 1S 8E	3113'	9-20-77	D.E.439'
Tamarack Petroleum Co., Inc.	A. J. Robertson #3-A	990° N 330° W NEc NW NW Sec. 20 1S 8E	4230'	11-3-77	G.L.397'
Tamarack Petroleum Co., Inc.	Sherwood Land Co. #1	330° N 330° E SWc SE NW Sec. 20 1S 8E	4300'	11-3-77	G.L.397'
Joe V. Gore	Love Comm. #1	339° S 660° W NEc SE NE Sec. 20 1S 8E	3296'	8-31-77	D.E.427'
Richard W. Beeson	Chapman #1	330° S 330° W SEC NE Sec. 18 2S 7E	4169'	3-25-77	G.L.410'
Richard W. Beeson	M. Pearl McCall #1	330° S 330° E NWc NE NW Sec. 23 2S 7E	4245'	2-17-77	G.L.396'
Kendra Corp.	O'Daniel-Jones #2	330° S 330° E NWc SW NW Sec. 3 2S 9E	3958'	7-23-77	G.L.387'
H. Paul Waterbury	Ed. Michaels #1	330° S 330° E NWc SW SE Sec. 13 2S 9E	3403'	9-27-77	G.L.463'
Ernest Sherman	Billington #1	330° S 330° E NWc SW NW Sec. 16 2S 9E	3430'	9-22-77	G.L.402'
Midwest Oil Producers	B. Carter #1	360° S 330° W NEc SE NE Sec. 18 2S 9E	4106'	7-30-77	G.L.427'
Booth Oil Co., Inc.	Sanders #1	330° N 330° W SEC SW Sec. 6 3S 5E	3860'	10-19-77	G.L.504'
WHITE COUNTY					
L. F. Russell & Herb Bruce	Curd #1	330° N 330° W SEC SE NW NE Sec. 29 3S 8E	4250'	8-30-77	G.L.382'
d/b/a Pool Oil Co.	Miller-Andrews Comm. #1	330° N 615° W SEC SW NW Sec. 29 3S 8E	3270'	5-29-77	G.L.377'
H. H. Wienert Estate	Miller-Andrews Comm. #2	330° N 615° W SEC SW NW Sec. 29 3S 8E	3254'	5-26-77	G.L.373'
H. H. Wienert Estate	Wienert Coy Browne #7-W	885° N 625° E SWc SEC. 29 3S 8E	3265'	5-31-77	G.L.370'



Fletcher F. Farrar Hocking Oil Co., Inc. Hocking Oil Co., Inc. Henry Absher d/b/a Absher Oil Co. Hocking Oil Co., Inc. L. F. Russell & Herb Bruce d/b/a Pool Oil Co. United States Oil Co. Victor R. Gallagher C. E. Brehm Drilling & Producing RK Petroleum Corp. Perry Fulk John Carey Oil Co., Inc. Perry Fulk RK Petroleum Corp. James F. Abercrombie John Tilling Co. RK Petroleum Corp. RK Petroleum Corp. Perry Fulk RK Petroleum Corp. RK Petroleum Corp. RK Petroleum Corp. RK Petroleum Corp. RK Petroleum Corp. Louis H. Kapp, Jr. Louis H. Kapp, Jr. Raymond A. Messman Eugene E. Morris Eugene E. Morris Victor R. Gallagher Victor R. Gallagher Eugene E. Morris T. W. George Trust T. W. George Trust T. W. George Trust T. W. George Trust William R. Ramey Henzing Production Service Corp. William R. & Phyllis Becker Henry Absher d/b/a Absher Oil Co. Midwestern Supply Co., Inc. Midwestern Supply Co. Henry Absher d/b/a Absher Oil Co. Henry Absher d/b/a Absher Oil Co. Henry Absher d/b/a Absher Oil Co. Henry Absher d/b/a Absher Oil Co. Henry Absher d/b/a Absher Oil Co. Lyle Gillatt	Ward Heirs #1 Charles E. Williams #1 Duckworth #1 Foley Comm. #1 R. J. Williams Etal #1 W. L. Lewis #2 John McIntosh #1 Valeria Stani #1 Orr Etal #1 J. M. Stani #3 James F. Abercrombie Lawrence Etal Unit #1 John Prince Etal #1 Irene Little #1 Dale Williams Etal #1 Continental Bank #9 Fleck Heirs Etal #1 Kerwin Trust #2 Robert Williams #2 Birdie Gray #1 Stella Wicker #1 Clara Carroll #1 Virus Winter #1 Sumpter #1 Genneth #1 Sue #1 Hughes Comm. #1 Hughes Comm. #2 Kuykendall Comm. #1 Ela Barbre #1 J. M. Absher #2 W. L. Rose #1 (W-8) W. L. Rose #1 (W-9) Rose-Winters Rammimg #1 Lamont "B" Lease #2 Radford Johnson #10 Radford Johnson #10 Bond Heirs #1 Garfield Parsons #13 Calvin Cons. #1 Calvin Cons. #1 Calvin Cons. #1 German Hon #8 Halbert Hon #1 Halbert Calvin #5 Haynes Hon #1 M. E. Glaze "B" #2	330° N 330° E SW/4 SE SW Sec. 30 3S 9E 330° N 330° E SW/4 NW NE Sec. 34 3S 9E 660° N 330° E SW/4 SE NE Sec. 34 3S 9E 330° S 330° W NE/4 NW SW Sec. 23 3S 10E 380° N 330° W NE/4 NE Sec. 25 3S 10E 271° N 301° W Sec. NW NW Sec. 6 4S 8E 330° S 330° W NE/4 SE Sec. 12 4S 8E 330° N 330° E SW/4 NE NE Sec. 16 4S 8E 330° N 330° E SW/4 SE SW Sec. 16 4S 8E 330° N 330° E SW/4 NE SW Sec. 27 4S 8E 330° N 330° W NE/4 SE Sec. 28 4S 8E 330° S 330° W NE/4 SE Sec. 30 4S 8E 330° N 330° E SW/4 SE Sec. 31 4S 8E 330° N 330° E SW/4 SE Sec. 32 4S 8E 330° N 330° E SW/4 SE Sec. 33 4S 8E 330° S 330° W NE/4 NW SW Sec. 33 4S 8E 330° S 330° E SW/4 SE NW Sec. 33 4S 8E 330° N 330° E SW/4 NW NW Sec. 33 4S 8E 330° N 330° E SW/4 NE SW Sec. 34 4S 8E 330° N 330° E SW/4 NW NE Sec. 34 4S 8E 330° N 330° E SW/4 NE NW Sec. 34 4S 8E 330° S 330° W NE/4 SE Sec. 34 4S 8E 330° S 330° W NE/4 SE Sec. 36 4S 8E 330° N 330° E SW/4 SE Sec. 28 4S 8E 330° S 330° W NE/4 SE Sec. 29 4S 8E 330° N 330° E SW/4 SE Sec. 30 4S 8E 330° N 330° E SW/4 SE Sec. 31 4S 8E 330° N 330° E SW/4 SE Sec. 32 4S 8E 330° N 330° E SW/4 SE Sec. 33 4S 8E 330° N 330° E SW/4 SE Sec. 34 4S 8E 330° N 330° E SW/4 SE Sec. 35 4S 8E 330° N 330° E SW/4 SE Sec. 36 4S 8E 330° N 330° E SW/4 SE Sec. 37 4S 8E 330° N 330° E SW/4 SE Sec. 38 4S 8E 330° N 330° E SW/4 SE Sec. 39 4S 8E 330° N 330° E SW/4 SE Sec. 40 4S 8E 330° N 330° E SW/4 SE Sec. 41 4S 8E 330° N 330° E SW/4 SE Sec. 42 4S 8E 330° N 330° E SW/4 SE Sec. 43 4S 8E 330° N 330° E SW/4 SE Sec. 44 4S 8E 330° N 330° E SW/4 SE Sec. 45 4S 8E 330° N 330° E SW/4 SE Sec. 46 4S 8E 330° N 330° E SW/4 SE Sec. 47 4S 8E 330° N 330° E SW/4 SE Sec. 48 4S 8E 330° N 330° E SW/4 SE Sec. 49 4S 8E 330° N 330° E SW/4 SE Sec. 50 4S 8E 330° N 330° E SW/4 SE Sec. 51 4S 8E 330° N 330° E SW/4 SE Sec. 52 4S 8E 330° N 330° E SW/4 SE Sec. 53 4S 8E 330° N 330° E SW/4 SE Sec. 54 4S 8E 330° N 330° E SW/4 SE Sec. 55 4S 8E 330° N 330° E SW/4 SE Sec. 56 4S 8E 330° N 330° E SW/4 SE Sec. 57 4S 8E 330° N 330° E SW/4 SE Sec. 58 4S 8E 330° N 330° E SW/4 SE Sec. 59 4S 8E 330° N 330° E SW/4 SE Sec. 60 4S 8E 330° N 330° E SW/4 SE Sec. 61 4S 8E 330° N 330° E SW/4 SE Sec. 62 4S 8E 330° N 330° E SW/4 SE Sec. 63 4S 8E 330° N 330° E SW/4 SE Sec. 64 4S 8E 330° N 330° E SW/4 SE Sec. 65 4S 8E 330° N 330° E SW/4 SE Sec. 66 4S 8E 330° N 330° E SW/4 SE Sec. 67 4S 8E 330° N 330° E SW/4 SE Sec. 68 4S 8E 330° N 330° E SW/4 SE Sec. 69 4S 8E 330° N 330° E SW/4 SE Sec. 70 4S 8E 330° N 330° E SW/4 SE Sec. 71 4S 8E 330° N 330° E SW/4 SE Sec. 72 4S 8E 330° N 330° E SW/4 SE Sec. 73 4S 8E 330° N 330° E SW/4 SE Sec. 74 4S 8E 330° N 330° E SW/4 SE Sec. 75 4S 8E 330° N 330° E SW/4 SE Sec. 76 4S 8E 330° N 330° E SW/4 SE Sec. 77 4S 8E 330° N 330° E SW/4 SE Sec. 78 4S 8E 330° N 330° E SW/4 SE Sec. 79 4S 8E 330° N 330° E SW/4 SE Sec. 80 4S 8E 330° N 330° E SW/4 SE Sec. 81 4S 8E 330° N 330° E SW/4 SE Sec. 82 4S 8E 330° N 330° E SW/4 SE Sec. 83 4S 8E 330° N 330° E SW/4 SE Sec. 84 4S 8E 330° N 330° E SW/4 SE Sec. 85 4S 8E 330° N 330° E SW/4 SE Sec. 86 4S 8E 330° N 330° E SW/4 SE Sec. 87 4S 8E 330° N 330° E SW/4 SE Sec. 88 4S 8E 330° N 330° E SW/4 SE Sec. 89 4S 8E 330° N 330° E SW/4 SE Sec. 90 4S 8E 330° N 330° E SW/4 SE Sec. 91 4S 8E 330° N 330° E SW/4 SE Sec. 92 4S 8E 330° N 330° E SW/4 SE Sec. 93 4S 8E 330° N 330° E SW/4 SE Sec. 94 4S 8E 330° N 330° E SW/4 SE Sec. 95 4S 8E 330° N 330° E SW/4 SE Sec. 96 4S 8E 330° N 330° E SW/4 SE Sec. 97 4S 8E 330° N 330° E SW/4 SE Sec. 98 4S 8E 330° N 330° E SW/4 SE Sec. 99 4S 8E 330° N 330° E SW/4 SE Sec. 100 4S 8E	4310' 4214' 4224' 3011' 3109' 3246' 3540' 4737' 3575' 3484' 3496' 3510' 3510' 3489' 3518' 3386' 3386' 4114' 3500' 3446' 3390' 3382' 4141' 3379' 3498' 3474' 4331' 4224' 4365' 2941' 3195' 3500' 2338' 2335' 2337' 3180' 3121' 3120' 3208' 3240' 1876' 1418' 1368' 3300' 3179' 73' 2855' 2871' 2700' 2846' 2718' 2857'	11 10 77 7 29 77 8 37 77 4 14 77 7 22 77 2 10 77 4 18 77 6 21 77 6 17 77 10 20 77 2 28 77 10 51 77 9 23 77 10 29 77 10 29 77 11 14 77 5 11 77 1 15 77 12 22 77 12 16 77 9 18 77 5 2 77 11 13 77 8 20 77 1 29 77 9 22 77 7 15 77 7 15 77 7 23 77 6 15 77 12 29 77 12 27 77 12 27 77 12 31 77 10 57 77 9 15 77 9 9 77 8 27 77 12 16 77 9 30 77 9 30 77 10 1 77 4 8 77 8 16 77 3 16 77 4 1 77 3 26 77 4 12 77 10 31 77	GL 514' GL 441' GL 449' DF 459' GL 450' GL 383' GL 386' GL 371' GL 404' GL 382' GL 339 4' GL 423' GL 393' GL 385' GL 387' GL 382' GL 387' GL 383' GL 381' GL 383' GL 385' GL 386' GL 384' GL 382' GL 383' GL 386' GL 388' GL 382' GL 404' GL 394' GL 420' GL 420' GL 416' GL 392' GL 374' GL 375' DF 376' DF 375' GL 436' GL 436' GL 433' GL 386' GL 436' GL 380' GL 379' GL 381' GL 378' GL 380' GL 378'
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# WELLS PLUGGED IN 1977

OPERATOR	WELL NAME & NO.	LOCATION	TOTAL DEPTH	DATE PLUGGED	ELEV.
A B Oil Co.	Brown #1-A	330° S 330° E NW¼ Sec. 29 4S 14W	3152'	3-14-77	G.L.373'
A B Oil Co.	Fred H. Brown #2-A	365° S 330° W NE¼ Sec. 29 4S 14W	3070'	4-26-77	G.L.373'
C E Brehm Drilling & Producing	Biggerstaff Comm. #1	330° N 330° W Sec. 7 5S 8E	4380'	5-26-77	G.L.408'
C E Brehm Drilling & Producing	Wicker Comm. #1	330° N 330° W Sec. NW SW Sec. 8 5S 8E	3510'	6-30-77	G.L.423'
C E Brehm Drilling & Producing	Leo Apple #1	330° S 330° E NW¼ Sec. 9 5S 8E	4420'	5-7-77	G.L.427'
C E Brehm Drilling & Producing	Willard Brockett, Jr. #9	330° N 330° E SW¼ Sec. 9 5S 8E	4403'	5-20-77	G.L.412'
KK Petroleum Corp.	James Bleeks #1	330° N 330° W Sec. NW SW Sec. 15 5S 8E	3484'	7-31-77	G.L.424'
KK Petroleum Corp.	William Dauby #1	330° N 330° W Sec. NE Sec. 18 5S 8E	4385'	8-11-77	G.L.424'
Pinefields Oil, Inc.	Henry Garner #2	330° N 330° W Sec. SW SW Sec. 15S 10E	2950'	8-3-77	G.L.375'
Royal G. Cantrell	G. J. Botsch #1	330° N 330° W Sec. NW NW Sec. 5 5S 10E	3118'	8-31-77	G.L.377'
T. W. George Trust	Delbert Newell #1	330° S 330° E NW¼ Sec. 5 5S 10E	3150'	9-7-77	G.L.379'
T. W. George Trust	G. J. Botsch #3	330° S 330° E NW¼ Sec. 5 5S 10E	3150'	9-7-77	G.L.379'
Eugene E. Morris	Frances Calvert #2	330° S 330° E NW¼ Sec. NW SW Sec. 21 5S 10E	4170'	4-16-77	G.L.383'
Robert N. Gooch d/b/a Fairfield Oil Co.	Emma Sell #1	330° S 330° E SW¼ Sec. NW SW Sec. 21 5S 10E	3151'	5-27-77	G.L.384'
Hocking Oil Co., Inc.	Gregory Kampt #1	330° S 330° W NE¼ Sec. NW SW Sec. 24 5S 10E	3065'	10-24-77	G.L.369'
C E Brehm Drilling & Producing	Francis Stallings #1	1650° S 330° E NW¼ Sec. NW SW Sec. 18 5S 11E	4460'	4-26-77	G.L.364'
C E Brehm Drilling & Producing	F. Stallings #3	330° S 330° W NE¼ Sec. NW SW Sec. 5 5S 14W	2956'	11-1-77	G.L.378'
Oil Investors, Inc.	Gentry-Lowery #1-A	330° N 330° E SW¼ Sec. NW SW Sec. 5 5S 14W	2864'	11-15-77	G.L.375'
J. & R. Oil Company	Ivan Austin #1-A	365° N 365° E SW¼ Sec. SE SW Sec. 13 6S 8E	3160'	10-11-77	G.L.406'
J. D. Turner	Herbert Colbert Et al Comm. #1	330° S 330° E NW¼ Sec. NW SW Sec. 24 6S 8E	3129'	7-25-77	G.L.435'
Shakespeare Oil Co., Inc.	Charles Gowdy #1	330° S 330° W NE¼ Sec. NW SW Sec. 33 6S 8E	3174'	6-28-77	G.L.407.2'
Jim Haley d/b/a Jim Haley Production Co.	M. W. Trainor #1	660° N 330° E SW¼ Sec. NW SW Sec. 10 6S 9E	2730'	9-2-77	G.L.365'
Jim Haley d/b/a Jim Haley Production Co.	Florence Reeling #1	660° S 660° E NW¼ Sec. NW SW Sec. 23 6S 9E	5174'	12-30-77	G.L.365'
C E Brehm Drilling & Producing	Concord Comm. #1	330° S 330° W NE¼ Sec. NW SW Sec. 22 6S 10E	4950'	2-28-77	G.L.366'
C E Brehm Drilling & Producing	George L. York Comm. Et al #1	660° N 350° W Sec. NE Sec. 29 6S 10E	3950'	10-13-77	G.L.369'
C E Brehm Drilling & Producing	Hobart M. Dagley #1	720° N 157° W Sec. NE Sec. 29 6S 10E	3047'	10-15-77	G.L.374'
C E Brehm Drilling & Producing	Evans #1	330° S 330° W NE¼ Sec. NW SW Sec. 2 7S 9E	2678'	11-17-77	G.L.458'
C E Brehm Drilling & Producing	Roy E. Pearce 'B' #1	330° N 330° E SW¼ NW NW Sec. 2 7S 9E	4100'	10-8-77	G.L.481'
Sohio Petroleum Co.		330° S 330° E NW¼ NE NE Sec. 3 7S 10E	2158'	1-31-77	G.L.361'
WILLIAMSON COUNTY					
C E Brehm d/b/a	Marrs #1F	400° N 580° E SW¼ NW SW Sec. 7 8S 3E	2756'	6-16-77	G.L.481'
C E Brehm Drilling & Producing	May #1	990° N 660° E SW¼ SE SE Sec. 16 8S 4E	3032'	1-5-77	G.L.566'
C E Brehm Drilling & Producing	Imman #1	990° N 330° W Sec. SW SW Sec. 22 8S 4E	3040'	6-18-77	G.L.485'



STATE OF ILLINOIS  
DEPARTMENT OF MINES AND MINERALS  
SPRINGFIELD, ILLINOIS

In the matter of an application filed by Gordon L. Carpenter, Jr. d/b/a POGO Petroleum, Inc. to form a drilling unit of 20 acres and to authorize the drilling of the Lutz Community #1 well located in Section 29, Township 9 North, Range 4 East, Effingham County, Illinois.

HEARING ORDER  
NO. 239

This cause came on for hearing before the State Mining Board in the William G. Stratton Building, Springfield, Illinois at 9:30 A.M. (C.S.T.), on the 12th day of December, 1977.

Present for the hearing for the State Mining Board was Mr. George R. Lane, Petroleum Engineer. Appearances were made by Gordon L. Carpenter, Jr., applicant, and Mr. Patrick V. Reilly, Attorney at Law and Mr. Dick Froemming, both on behalf of applicant. No one appeared on behalf of the Objectors.

The State Mining Board having reviewed the exhibits introduced in said cause and having been fully advised in the matter of an application for a twenty acre drilling unit consisting of the South Half of the Southwest quarter of the Southwest quarter, of Section 29, Township 9 North, Range 4 East, Effingham County, Illinois, finds that the application for a permit filed by Gordon L. Carpenter, Jr. d/b/a POGO Petroleum, Inc. to drill a well for oil to be known as the Lutz Community #1 well to be located:

550 feet North and 135 feet East of the Southwest corner of Section 29, Township 9 North, Range 4 East, Effingham County, Illinois.

to the Devonian formation, is in order and that pursuant to Section 83.b, Chapter 104, Illinois Revised Statutes, 1967, the parties involved shall integrate their interests and develop their lands as a drilling unit for the Lutz Community #1 well located:

550 feet North and 135 feet East of the Southwest corner of Section 29, Township 9 North, Range 4 East, Effingham County, Illinois.

The South Half of the Southwest quarter of the Southwest quarter of Section 29, Township 9 North, Range 4 East, Effingham County, Illinois, is designated as the drilling unit.

IT IS THEREFORE ORDERED THAT a permit shall be granted to Gordon L. Carpenter, Jr. d/b/a POGO Petroleum, Inc. for the drilling of an oil well to be known as the Lutz Community #1 well to be located:

550 feet North and 135 feet East of the Southwest corner of Section 29, Township 9 North, Range 4 East, Effingham County, Illinois,

and that the parties involved shall integrate their interests and develop their lands as the aforesaid drilling unit.

IT IS FURTHER ORDERED that the objectors Charles William Hutchcraft and Sue Ann Hutchcraft, his wife, shall participate in the drilling unit described above to the extent of .0086088 of the 7/8ths working interest and in the amount of .0086088 of the 1/8th royalty interest; Phillip C. Keefer and Norma Mae Keefer, his wife, shall participate in the drilling unit described above to the extent of .0086088 of the 7/8ths working interest and in the amount of .0086088 of the 1/8th royalty interest; Dortha E. Hunt shall participate in the drilling unit described above to the extent of .0172176 of the 7/8ths working interest and in the amount of .0172176 of the 1/8th royalty interest; and Mr. and Mrs. Lynn Wood, husband and wife, shall participate in the drilling unit described above to the extent of .0024596 of the 7/8ths working interest and in the amount of .0024596 of the 1/8th royalty interest. The participation factor shall be in accordance with Section 22.2 (d) of "An Act in Relation to Oil, Gas, Coal and Other Surface and Underground Resources and Rules and Regulations." This participation factor is determined to be:

	<u>Costs &amp; Expenses of All Surface Equipment</u>	<u>Costs of Operating Well Concerned with First Production</u>
Charles William Hutchcraft and Sue Ann Hutchcraft, his wife	.0086088	.0086088
Phillip C. Keefer and Norma Mae Keefer, his wife	.0086088	.0086088
Dortha E. Hunt	.0172176	.0172176
Mr. and Mrs. Lynn Wood, husband and wife	.0024596	.0024596

Actual Costs and Expenses of Drilling,  
Testing and Completing the Well

Charles William Hutchcraft and Sue Ann Hutchcraft, his wife	.01291320
Phillip C. Keefer and Norma Mae Keefer, his wife	.01291320
Dortha E. Hunt	.02582640
Mr. and Mrs. Lynn Wood, husband and wife	.00368940

If you have any questions pertaining to this matter, please contact Mr. George R. Lane, Petroleum Engineer, whose telephone number is 217-782-7756.

DATED at Springfield, Sangamon County, Illinois, this 16th day of December, A. D., 1977.

BY ORDER OF THE STATE MINING BOARD:

GEORGE R. LANE  
*Mining Board Representative*

STATE OF ILLINOIS  
DEPARTMENT OF MINES AND MINERALS  
SPRINGFIELD, ILLINOIS

In the matter regarding the condemnation of the salt water pit located on the Follett #1 lease in Section 31, Township 4 North, Range 2 West, Bond County, Illinois, Pit Permit Number 5323.

HEARING ORDER  
No. 238

This cause came on for hearing before the State Mining Board in the William G. Stratton Building in Springfield, Illinois, on the 17th day of October A. D. 1977, at 10:00 A.M. (D.S.T.).

Present for the hearing for the State Mining Board was Mr. George R. Lane, Petroleum Engineer. Appearances were made by Dr. Keros Cartwright, Geologist and Head, Hydrogeology and Geophysics Section of the Illinois State Geological Survey; Dr. Philip Reed, Assistant Geologist, Illinois State Geological Survey; and Mr. Lenard Sturm, Pollution Control Officer, Oil and Gas Division. Also present were Mrs. Ada Edwards and Mr. Arnold Edwards, respondents and Mr. Jack Johnston, Attorney at Law, and Mr. Clifford H. Simonson, Environmental Consultant, both on behalf of the respondents.

The State Mining Board having reviewed the oral testimony of witnesses sworn and examined, having examined the exhibits introduced in said cause and having been fully advised in the matter finds:

That in accordance with Rule IX(8) of "An Act in Relation to Oil, Gas, Coal and Other Surface and Underground Resources and Rules and Regulations" 1977 edition, page 83, that the Pit Permit Number 5323 issued in connection with the operations of the Follett #1 lease shall be revoked and the pit condemned. The pit is located as follows:

600 feet North and 1200 feet East of the SW corner of the SW quarter of the NW quarter of Section 31, Township 4 North, Range 2 West, Bond County, Illinois.

IT IS THEREFORE ORDERED that the salt water pit previously authorized by Pit Permit Number 5323 be legally emptied of its contents and filled and leveled in accordance with

Rule IX (8) of "An Act in Relation to Oil, Gas, Coal and Other Surface and Underground Resources and Rules and Regulations" on or before January 7, 1978, and that Pit Permit Number 5323 is hereby revoked.

If ground and weather conditions are not favorable to perform this remedial work within the time stipulated herein, an extension of time may be granted upon request if there are extenuating circumstances that might cause a delay. Any request for an extension should be addressed to the Division of Oil and Gas, Room 704, William G. Stratton Building, Springfield, Illinois.

DATED at Springfield, Sangamon County, Illinois, this 7th day of December A.D., 1977.

BY ORDER OF THE STATE MINING BOARD:

GEORGE R. LANE  
*Mining Board Representative*



STATE OF ILLINOIS  
DEPARTMENT OF MINES AND MINERALS  
SPRINGFIELD, ILLINOIS

In the matter of applications filed by George Loving and J. E. St. Pierre to drill the J. Ochs #2, #3, and #4 wells located in Section 7, Township 6 North, Range 14 West, Jasper County, Illinois.

HEARING ORDER  
NO. 237

This cause came on for hearing before the State Mining Board in the State Office Building, Springfield, Illinois, at 1:30 P.M. (D.S.T.) Monday, June 20, 1977.

Present for the hearing for the State Mining Board was Mr. George R. Lane, Petroleum Engineer. Mr. George L. Loving, Mr. J. E. St. Pierre, Sr., Mr. Arthur A. Eubank and Mr. W. Tingle Savell appeared on behalf of the applicants. Appearances were also made by Mr. Jerome Ochs, the objector, and Mr. Robert L. Douglas, Attorney on behalf of the Objector.

The State Mining Board having reviewed the testimony, examined the exhibits introduced and having been fully advised in the matter finds that it lacks jurisdiction to proceed by reason of the filing of an action seeking permission to drill pursuant to the provisions of "An Act in Relation to Oil and Gas Interest" approved July 1, 1939, and therefore orders that the applications be returned to the applicants and that the case be dismissed without prejudice to the interest of any party.

DATED at Springfield, Sangamon County, Illinois, this 28th day of October, A. D., 1977.

BY ORDER OF THE STATE MINING BOARD:

GEORGE R. LANE  
*Mining Board Representative*

## STATE OF ILLINOIS

## DEPARTMENT OF MINES AND MINERALS

## SPRINGFIELD, ILLINOIS

In the matter of an application filed by Tri-Star Producing, Inc. to form a drilling unit of 20 acres and to authorize the drilling of the Miller Community #1 well located in Section 30, Township 9 North, Range 4 East, Effingham County, Illinois.

HEARING ORDER  
NO. 236

This cause came on for hearing before the State Mining Board in the State Office Building, Springfield, Illinois, at 9:00 A.M. (D.S.T.), on the 12th day of September, 1977.

Present for the hearing for the State Mining Board was Mr. George R. Lane, Petroleum Engineer. Mr. Dayton Baker, Attorney at Law, appeared on Behalf of Tri-Star Producing, Inc., the Applicant. No one appeared on behalf of the Objectors.

The State Mining Board having examined the exhibits introduced in said cause and having been fully advised in the matter of an application for a twenty acre drilling unit consisting of the West Half of the Southeast quarter of the Southeast quarter, Section 30, Township 9 North, Range 4 East, Effingham County, Illinois, finds that the application for a permit filed by Tri-Star Producing, Inc. to drill a well for oil to be known as the Miller Community #1 well to be located:

460 feet North and 330 feet East of the Southwest corner of the Southeast quarter of the Southeast quarter of Section 30, Township 9 North, Range 4 East, Effingham County, Illinois,

to the Sirlurian formation, is in order and that pursuant to Section 83.b, Chapter 104, Illinois Revised Statutes, 1967, the parties involved shall integrate their interests and develop their lands as a drilling unit for the Miller Community #1 well located:

460 feet North and 330 feet East of the Southwest corner of the Southeast quarter of the Southeast quarter of Section 30, Township 9 North, Range 4 East, Effingham County, Illinois.

The West Half of the Southeast quarter of the Southeast quarter of Section 30, Township 9 North, Range 4 East, Effingham County, Illinois, is designated as the drilling unit.

IT IS THEREFORE ORDERED THAT a permit shall be granted to Tri-Star Producing, Inc. for the drilling of an oil well to be known as the Miller Community #1 well located:

460 feet North and 330 feet East of the Southwest corner of the Southeast quarter of the Southeast quarter of Section 30, Township 9 North, Range 4 East, Effingham County, Illinois.

and that the parties involved shall integrate their interests and develop their lands as the aforesaid drilling unit.

IT IS FURTHER ORDERED that the objectors, Mabel Wills shall participate in the drilling unit described above to the extent of .034091 of the 7/8ths working interest and in the amount of .034091 of the 1/8th royalty interest and W. T. Frederking shall participate in the drilling unit described above to the extent of .063051 of the 7/8ths working interest and in the amount of .063051 of 1/8th of the royalty interest. The participation factor shall be in accordance with Section 22.2 (d) of "An Act in Relation to Oil, Gas, Coal and Other Surface and Underground Resources and Rules and Regulations." This participation factor is determined to be:

	<u>Costs &amp; Expenses of All Surface Equipment</u>	<u>Costs of Operating Well Concerned with First Production</u>
W. T. Frederking	.063051	.063051
Mabel Wills	.034091	.034091
Tri-Star Producing, Inc.	.902858	.902858

	<u>Actual Costs and Expenses of Drilling, Testing and Completing the Well</u>
W. T. Frederking	.0945765
Mabel Wills	.0511365
Tri-Star Producing, Inc.	1.3542870

If you have any questions pertaining to this matter, please contact Mr. George R. Lane, Petroleum Engineer, whose telephone number is 217-782-7756.

DATED at Springfield, Sangamon County, Illinois, this 6th day of October, A. D., 1977.

BY ORDER OF THE STATE MINING BOARD:

GEORGE R. LANE  
*Mining Board Representative*

## STATE OF ILLINOIS

## DEPARTMENT OF MINES AND MINERALS

## SPRINGFIELD, ILLINOIS

In the matter of an application filed by  
Tri-Star Producing, Inc. to form a drilling unit  
of 20 acres and to authorize the drilling of the  
Frailey Comm. #1 well located in Section 31,  
Township 9 North, Range 4 East, Effingham  
County, Illinois. } HEARING ORDER  
NO. 235

This cause came on for hearing before the State Mining Board in the State Office Building, Springfield, Illinois, at 11:00 A.M. (D.S.T.), on the 18th day of July, 1977.

Present for the hearing for the State Mining Board was Mr. George R. Lane, Petroleum Engineer. Appearances were made by Mr. Dayton Baker and Mr. Douglas Shook, Attorneys at Law, on Behalf of Bi-Petro, Inc. and Tri-Star Producing, Inc. Ms. Florence K. Shields, Mrs. Dorothy E. Storm, Ms. Hazel Petzing, and Mrs. Nellie Griffith appeared on behalf of the Objectors.

The State Mining Board having considered the oral testimony of witnesses sworn and examined, having examined the exhibits introduced in said cause and having been fully advised in the matter of an application for a twenty acre drilling unit consisting of the East Half of the Northeast quarter of the Northeast quarter of Section 31, Township 9 North, Range 4 East, Effingham County, Illinois, finds that the application for a permit filed by Tri-Star Producing, Inc. to drill a well for oil to be known as the Frailey Comm. #1 to be located:

165.3 feet South and 282.7 feet West of the Northeast  
corner of Section 31, Township 9 North, Range 4 East,  
Effingham County, Illinois.

to the Silurian formation, is in order and that pursuant to Section 83.b, Chapter 104, Illinois Revised Statutes, 1967, the parties involved shall integrate their interests and develop their lands as a drilling unit for the Frailey Comm. #1 well located:

165.3 feet South and 282.7 feet West of the Northeast  
corner of Section 31, Township 9 North, Range 4 East,  
Effingham County, Illinois.

The East Half of the Northeast quarter of the Northeast quarter of Section 31, Township 9 North, Range 4 East, Effingham County, Illinois, is designated as the drilling unit.

IT IS THEREFORE ORDERED THAT a permit shall be granted to Tri-Star Producing, Inc. for the drilling of an oil well to be known as the Frailey Comm. #1 well located:

165.3 feet South and 282.7 feet West of the Northeast corner of Section 31, Township 9 North, Range 4 East, Effingham County, Illinois,

and that the parties involved shall integrate their interests and develop their lands as the aforesaid drilling unit.

IT IS FURTHER ORDERED that the objectors, Florence K. Shields and Dorothy Storm shall participate collectively in the drilling unit described above to the extent of .026138 of the 7/8ths working interest and in the amount of .026138 of 1/8th of the royalty interest; Richard Alsop shall participate in the drilling unit described above to the extent of .006535 of the 7/8ths working interest and in the amount of .006535 of 1/8th of the royalty interest; Robert Devore and wife, Betty Devore shall participate collectively in the drilling unit described above to the extent of .015247 of the 7/8ths working interest and in the amount of .015247 of the 1/8th royalty interest; Nellie Griffith shall participate in the drilling unit described above to the extent of .019603 of the 7/8ths working interest and in the amount of .019603 of 1/8th of the royalty interest; John Larimore and his wife, Marie, and James W. Dial and his wife Patricia, shall participate collectively in the drilling unit described above to the extent of .019603 of the 7/8ths working interest and in the amount of .019603 of 1/8th of the royalty interest; John W. Wonus and his wife Wilma shall participate collectively in the drilling unit described above to the extent of .013069 of the 7/8ths working interest and in the amount of .013069 of 1/8th of the royalty interest; Walter Nabb and his wife, Sandra, shall participate collectively in the drilling unit described above to the extent of .013069 of the 7/8ths working interest and in the amount of .013069 of 1/8th of the royalty interest; and, Marie Baker et al shall participate collectively in the drilling unit described above to the extent of .026138 of the 7/8ths working interest and in the amount of .026138 of 1/8th of the royalty interest. The participation factor shall be in accordance with Section 22.2 (d) of "An Act in Relation to oil, Gas, Coal and Other Surface and Underground Resources and Rules and Regulations." This participation factor is determined to be:

	<u>Costs &amp; Expenses of All Surface Equipment</u>	<u>Costs of Operating Well Concerned with First Production</u>
Florence K. Shields and Dorothy Storm	.026138	.026138
Richard Alsop	.006535	.006535
Robert Devore and wife, Betty Devore	.015247	.015247
Nellie Griffith	.019603	.019603
John Larimore and wife, Marie Larimore and James W. Dial and wife, Patricia Dial	.019603	.019603
John W. Wonus and wife, Wilma Wonus	.013069	.013069
Walter Nabb and wife, Sandra Nabb	.013069	.013069
Marie Baker, et al	.026138	.026138
Tri-Star Producing, Inc.	.860598	.860598

Actual Costs and Expenses of Drilling,  
Testing and Completing the Well

Florence K. Shields and Dorothy Storm	.0392070
Richard Alsop	.0098025
Robert Devore and wife, Betty Devore	.0228705
Nellie Griffith	.0294045
John Larimore and wife, Marie Larimore and James W. Dial and wife, Patricia Dial	.0294045
John W. Wonus and wife, Wilma Wonus	.0196035
Walter Nabb and wife, Sandra Nabb	.0196035
Marie Baker et al	.0392070
Tri-Star Producing, Inc.	.7908970

If you have any questions pertaining to this matter, please contact Mr. George R. Lane, Petroleum Engineer, whose telephone number is 217-782-7756.

DATED at Springfield, Sangamon County, Illinois, this 19th day of August, A. D., 1977.

BY ORDER OF THE STATE MINING BOARD:

GEORGE R. LANE

*Mining Board Representative*

STATE OF ILLINOIS  
DEPARTMENT OF MINES AND MINERALS  
SPRINGFIELD, ILLINOIS

In the matter of the application filed by Texas Pacific Oil Company, Inc. to authorize the drilling of the John Wells etal #1 well located in Section 34, Township 10 South, Range 6 East, Saline County, Illinois.

HEARING ORDER  
NO. 234

This cause came on for hearing before the State Mining Board in the State Office Building, Springfield, Illinois, at 10:00 A.M. (D.S.T.), on the 20th day of June 1977.

Present for the hearing for the State Mining Board was Mr. George R. Lane, Petroleum Engineer. Appearances were made by Mr. Gerald T. Quindry, Attorney at Law, and Mr. Cecil S. Slater, Petroleum Landman, on Behalf of Texas Pacific Oil Company, Inc. No one appeared on behalf of the Objector.

The State Mining Board having considered the oral testimony of witnesses sworn and examined, having examined the exhibits introduced in said cause and having been fully advised in the matter of an application for a forty acre drilling unit consisting of the Northwest quarter of the Northwest quarter of Section 34, Township 10 South, Range 6 East, Saline County, Illinois, finds that the application for a permit filed by Texas Pacific Oil Company, Inc. to drill a well for oil to be known as the John Wells etal #1 to be located:

460 feet South and 660 feet West of the Northeast corner of the Northwest quarter of the Northwest quarter of Section 34, Township 10 South, Range 6 East, Saline County, Illinois.

to the Silurian-Devonian formation, is in order and that pursuant to Section 83.b, Chapter 104, Illinois Revised Statutes, 1967, the parties involved shall integrate their interests and develop their lands as a drilling unit for the John Wells etal #1 well located:

460 feet South and 660 feet West of the Northeast corner of the Northwest quarter of the Northwest quarter of Section 34, Township 10 South, Range 6 East, Saline County, Illinois.

The Northwest quarter of the Northwest quarter of Section 34, Township 10 South, Range 6 East, Saline County, Illinois, is



designated as the drilling unit.

IT IS THEREFORE ORDERED THAT a permit shall be granted to Texas Pacific Oil Company, Inc. for the drilling of an oil well to be known as the John Wells etal #1 well located:

460 feet South and 660 feet West of the Northeast corner of the Northwest quarter of the Northwest quarter of Section 34, Township 10 South, Range 6 East, Saline County, Illinois,

and that the parties involved shall integrate their interests and develop their lands as the aforesaid drilling unit.

IT IS FURTHER ORDERED that the objector, James P. Durham Land Trust, c/o Dr. James P. Durham, Trustee, shall participate collectively in the drilling unit described above to the extent of 1/40th of the 7/8ths working interest and in the amount of 1/40th of the 1/8th royalty interest. The participation factor shall be in accordance with Section 22.2 (d) of "An Act in Relation to Oil, Gas, Coal and Other Surface and Underground Resources and Rules and Regulations." This participation factor is determined to be:

1. Two and one-half percent of the costs and expenses of all surface equipment and 2½% of the costs of operating the well concerned with first production to be borne by James P. Durham Land Trus, c/o Dr. James P. Durham, Trustee, and 97½% of the costs and expenses of all surface equipment and 97½% of the costs of operating the well concerned with first production to be borne by Texas Pacific Oil Company, Inc.

2. Three and three-quarters percent of actual costs and expenses of drilling, testing and completing the well to be borne by James P. Durham Land Trust, c/o Dr. James P. Durham, Trustee, and 96¼% of actual costs of drilling, testing and completing said well to be borne by Texas Pacific Oil Company, Inc.

If you have any questions pertaining to this matter, please contact Mr. George R. Lane, Petroleum Engineer, whose telephone number is 217-782-7756.

DATED at Springfield, Sangamon County, Illinois, this 23rd day of June, A. D., 1977.

BY ORDER OF THE STATE MINING BOARD:

GEORGE R. LANE  
*Mining Board Representative*

STATE OF ILLINOIS  
DEPARTMENT OF MINES AND MINERALS  
DIVISION OF OIL AND GAS  
SPRINGFIELD, ILLINOIS

In the Matter of the Petition of C. E. Brehm d/b/a C. E. Brehm Drilling & Producing, filed pursuant to Spacing Rule IV (1) (A) (2) and Illinois Revised Statutes, Chapter 104, Section 82A, for a Field-wide 40-Acre Spacing Order in the Salem and Warsaw Formations in the Taylor Hill Area located in Franklin County, Illinois.

} HEARING ORDER  
NO. 233

**REPORT OF THE MINING BOARD**

On February 4, 1977, C. E. Brehm d/b/a C. E. Brehm Drilling & Producing, an Illinois corporation, authorized to do business in the State of Illinois, filed a Petition with the Department of Mines and Minerals for a field-wide 40-acre spacing Order in the Salem Formation and the Warsaw Formation in the Taylor Hill Area located in Franklin County, Illinois.

After due notice as provided in Illinois Revised Statutes, Chapter 104, Section 82a and by Rules of Procedure in Public Hearings for the Department of Mines and Minerals, a public hearing was held on said Petition on March 14, 1977 in the City of Springfield, Illinois. At such hearing, before the Department of Mines and Minerals, the Petitioner submitted proof, exhibits, evidence and testimony in support of said Petition. Other interested parties were afforded an opportunity to be heard in connection therewith.

**FINDINGS OF FACT**

The Department of Mines and Minerals finds:

- (1) That C. E. Brehm d/b/a C. E. Brehm Drilling & Producing is the owner and operator of a substantial number of oil and gas leases in the Taylor Hill Area, hereinafter delineated, and is thereby an interested party in the establishment of field-wide spacing for this field; and
- (2) That as of March 1, 1977 C. E. Brehm d/b/a C. E. Brehm Drilling & Producing had drilled and completed two wells in

the Warsaw zone; and

- (3) That the Threlkeld #1 well located in the Northeast Quarter of the Northeast Quarter of the Northwest Quarter of Section 16, Township 5 South, Range 4 East, Franklin County, Illinois, is producing from 3950 feet to 3965 feet from the surface which is the Warsaw zone; and
- (4) That in the absence of a specific order of the Mining Board, the General Spacing Rule IV(1) (A) (b) is applicable which, in essence, provides for 20-acre drilling units for the production of oil or gas from a limestone formation in a pool, the top of which lies less than 4,000 feet beneath the surface; and
- (5) That C. E. Brehm d/b/a C. E. Brehm Drilling & Producing has drilled wells and, based upon production and tests therefrom, and based upon other geological data, has determined that the Taylor Hill Area is delineated and located within the following area:

The South Half of Sections 8 and 9; the Southwest Quarter of Section 10; the West Half of Section 15; all of Sections 16 and 17, all located in Township 5 South, Range 4 East, Franklin County, Illinois,

hereinafter called the "Taylor Hill Field Field"; and

- (6) That C. E. Brehm d/b/a C. E. Brehm Drilling & Producing has, by drilling oil and gas wells and conducting tests thereon, determined that one well can efficiently and economically drain a 40-acre drilling unit.

### CONCLUSIONS OF LAW

That Illinois Revised Statutes, Chapter 104, Section 82a, applies to the Petition of C. E. Brehm d/b/a C. E. Brehm Drilling & Producing and these proceedings before the Department of Mines and Minerals.

That the Department of Mines and Minerals has jurisdiction of the subject matter and the persons interested therein; that due and proper notices of the Petition and of the time, place and purpose of the hearing were given as required by law; that all interested parties were afforded an opportunity to be heard therein; and

That for the prevention of waste, to protect and enforce the correlative rights of the owners in the pool, and to prevent the drilling of unnecessary wells, this Petition should be granted.

## ORDER OF THE DEPARTMENT OF MINES AND MINERALS

It is, therefore, ordered by the Department of Mines and Minerals as follows:

(1) That the Petition of C. E. Brehm d/b/a C. E. Brehm Drilling and Producing for an order establishing field-wide drilling units of forty (40) acres of surface area, lying with a Quarter-Quarter Section of land (as established by the United States Public Land Survey made pursuant to the provisions of an Act of Congress) for wells drilled or deepened for the production of oil and gas from the Salem and Warsaw Formations, which is found at a depth from 3950 to 3965 feet from the surface for the Warsaw Formation, as shown on the Dual Laterolog of C. E. Brehm d/b/a C. E. Brehm Drilling & Producing's Threlkeld #1 well located 330 feet South and 330 feet West of the Northeast corner of the Northwest Quarter of Section 16, Township 5 South, Range 4 East, Franklin County, Illinois, is hereby granted.

(2) That this Order shall cover the following described area:

The South Half of Sections 8 and 9; the Southwest Quarter of Section 10; the West Half of Section 15; all of Sections 16 and 17, all located in Township 5 South, Range 4 East, Franklin County, Illinois.

(3) That no more than one well may be drilled on each drilling unit established by this Order.

(4) That the well drilled for each unit be located not less than three hundred thirty (330) feet from the nearest external boundary lines of the drilling unit nor less than nine hundred (900) feet from the nearest location of a producing well or well being drilled or for which a permit has previously been issued for the drilling of a well to the same individual pool.

(5) That all royalty interests within each separate drilling unit be integrated and that each Royalty Owner within the unit participate in the royalty from the well drilled thereon in the proportion to the interest owned by such Royalty Owner bears to the total of such interest in the entire unit.

(6) That whenever the topographical conditions of the drilling unit render it impractical, without unreasonable expense, to drill a well at a location in conformity with the spacing rules, the Mining Board may alter the location after investigation and verification of the topographical conditions.

(7) That in the case of irregular Sections, containing more or less than 640 acres, the Mining Board shall allow exceptions or create units in order to absorb the entire acreage in such Sections into drilling units.

DATED at Springfield, Sangamon County, Illinois, this 23rd day of March, 1977, A. D.

BY ORDER OF THE STATE MINING BOARD

GEORGE R. LANE

*Mining Board Representative*

STATE OF ILLINOIS  
DEPARTMENT OF MINES AND MINERALS  
DIVISION OF OIL AND GAS  
SPRINGFIELD, ILLINOIS

In the Matter of the Petition of Union Oil Company of California, a Corporation, for the Formation of a Unit known as the East W.A.M. Consolidated in Sections 24, 25, 26, Township 4 North, Range 9 East, Richland County, Illinois, filed pursuant to Chapter 104, Paragraph 84c, Illinois Revised Statutes (1975).

ORDER NO. 232

**REPORT OF THE MINING BOARD**

On January 13, 1977, Union Oil Company of California, a Corporation, pursuant to Section 23.3 of "An Act in Relation to Oil, Gas, Coal and Other Surface and Underground Resources," cited as Chapter 104, Paragraph 84c, Illinois Revised Statutes (1975), filed a Petition with the Illinois Mining Board for an Order providing for the unit operation of an area known as the East W.A.M. Consolidated commencing from the Top of the Paint Creek Sandstone to 150' below the Top of the Ste. Genevieve formation, in the Wakefield Area Field, Richland County, Illinois.

After due notice as provided in Act No. 79-503 of the Public Acts of the State of Illinois, 1974, and by the Rules of Procedure in Public Hearings before the Illinois Mining Board, a public hearing was held on said Petition on February 22, 1977 in the City of Springfield, Illinois. At said hearing before the Illinois Mining Board, the Petitioner submitted proof, exhibits, evidence and testimony relating to a plan of unitized management, operation and enhanced recovery which the Petitioner recommended be approved by the Illinois Mining Board.

**FINDINGS OF FACT**

The Illinois Mining Board finds:

- (1) That the unitized management and operation is economically feasible and reasonably necessary to increase the ultimate recovery of oil and gas, to prevent waste, and to protect correlative rights; and

- (2) That the value of the estimated ultimate additional recovery of oil and gas will exceed the estimated additional cost, if any, incident to conducting the unit operation; and
- (3) That the areal extent of the pool or pools, or parts thereof, has been reasonably defined and determined by drilling operations, and the unitization and operation of such will have no substantially adverse effect upon the remainder of the pool or pools, or parts thereof; and
- (4) That the allocation of unit production to each separately owned tract is fair, reasonable and equitable to all owners of oil and gas rights in the unit area; and
- (5) That the plan for unitization has been approved in writing by those persons owning more than eighty-two percent (82%) of the unit production, or proceeds thereof, that will be credited to interests which are free of unit expense, including, but not limited to, royalties, overriding royalties, carried interests, net profit interests, and production payments within the East W.A.M. Consolidated Unit.

### **CONCLUSIONS OF LAW**

That Act No. 79-503 of the Public Acts of 1974 applies to the Petition of Union Oil Company of California and these proceedings before the Illinois Mining Board.

That the Illinois Mining Board has jurisdiction of the subject matter and the persons interested therein; that due and proper notices of the petition and of the time, place and purpose of the hearing were given as required by law; no interested parties appeared as objectors; and

That in the interest of obtaining the benefits of unit operation, the prevention of waste, and the protection of correlative rights, this petition should be granted.

### **ORDER OF THE ILLINOIS MINING BOARD**

It is, therefore, ordered by the Illinois Mining Board as follows:

(1) That the Petition of Union Oil Company of California, as Unit Operator, be granted and that the East W.A.M. Consolidated Unit is hereby created in accordance with and subject to the terms, provisions and conditions of the Plan of Unitization as filed in these proceedings.

(2) That the East W.A.M. Consolidated Unit Area shall be the

area outlined on the Map, Exhibit "A", attached to the Plan of Unitization, and that the Plan of Unitization is made a part of this Order by reference with the same force and effect as if set out herein in its entirety.

(3) That each of the tracts within the Unit Area, as shown on Exhibits "A" and "B", attached to the Plan of Unitization, subject to the terms and provisions of the Plan of Unitization, shall participate in the unit production and in other benefits and burdens of the unit in accordance with the specified tract participation.

(4) That a necessity exists for secondary recovery, pressure maintenance and related supplementary recovery techniques to promote the conservation of and to increase the ultimate recovery of unitized substances from the pool and prevent waste of the unitized substances.

(5) That the Unit Operator, Union Oil Company of California, shall from time to time make such reports to the Department of Mines and Minerals concerning the operation of the unit as may be requested.

(6) That the Plan of Unitization is hereby made effective and that unit operations under these agreements shall be commenced on March 1, 1977.

The Department of Mines and Minerals retains continuing jurisdiction over the East W.A.M. Consolidated Unit in Order that it may exercise such administrative control as is consistent with its powers and duties as established by the statutes of the State of Illinois.

Signed and ordered published this 25th day of February, 1977.

GEORGE R. LANE  
*Mining Board Representative*



STATE OF ILLINOIS  
DEPARTMENT OF MINES AND MINERALS  
DIVISION OF OIL AND GAS  
SPRINGFIELD, ILLINOIS

In the Matter of the Petition of C. E. Brehm d/b/a C. E. Brehm Drilling & Producing, filed pursuant to Spacing Rule IV(1) (A) (2) and Illinois Revised Statutes, Chapter 104, Section 82A, for a Field-wide 40-Acre Spacing Order in the St. Louis, Salem and Warsaw Formations for the Ewing Field located in portions of Jefferson and Franklin County, Illinois.

HEARING ORDER  
NO. 231  
(AMENDED)

This Hearing Order No. 231 is hereby amended to show the following changes on Page 3:

- (2) That this Order shall cover the following described area:

Sections 35 and 36 of Township 4 South, Range 3 East, Sections 31 of Township 4 South, Range 4 East, Jefferson County, Illinois; and

*Section 1 with the exception of 40 acres lying in the Northwest Quarter of the Northeast Quarter, Section 2, the Southeast Quarter of Section 3, Sections 10, 11, 12, 13, 14, 15 and 24 of Township 5 South, Range 3 East, Sections 6, 7, 18 and 19 of Townships 5 South, Range 4 East, Franklin County, Illinois.*

to be changed to read as follows:

- (2) That this Order shall cover the following described area:

Sections 35 and 36 of Township 4 South, Range 3 East, Sections 31 of Township 4 South, Range 4 East, Jefferson County, Illinois; and

Section 1 with the exception of 40 acres lying in the Northeast Quarter of the Northeast Quarter, Section 2, the Southeast Quarter of Section 3, Sections 10, 11, 12, 13, 14, 15 and 24 of Township 5 South, Range 3 East, Sections 6, 7, 18 and 19 of Township 5 South, Range 4 East, Franklin County, Illinois.

BY ORDER OF THE STATE MINING BOARD:

GEORGE R. LANE

*Mining Board Representative*

STATE OF ILLINOIS  
DEPARTMENT OF MINES AND MINERALS  
DIVISION OF OIL AND GAS  
SPRINGFIELD, ILLINOIS

In the Matter of the Petition of C. E. Brehm d/b/a C. E. Brehm Drilling & Producing, filed pursuant to Spacing Rule IV(1) (A) (2) and Illinois Revised Statutes, Chapter 104, Section 82A, for a Field-wide 40-Acre Spacing Order in the St. Louis, Salem and Warsaw Formations for the Ewing Field located in portions of Jefferson County and Franklin County, Illinois.

HEARING ORDER  
NO. 231

**REPORT OF THE MINING BOARD**

On January 13, 1977, C. E. Brehm d/b/a C. E. Brehm Drilling & Producing, an Illinois corporation, authorized to do business in the State of Illinois, filed a Petition with the Department of Mines and Minerals for a field-wide 40-acre spacing Order in the St. Louis Formation, the Salem Formation, and the Warsaw Formation in portions of Jefferson County and Franklin County, Illinois.

After due notice as provided in Illinois Revised Statutes, Chapter 104, Section 82a and by Rules of Procedure in Public Hearings for the Department of Mines and Minerals, a public hearing was held on said Petition on January 31, 1977, in the City of Springfield, Illinois. At such hearing, before the Department of Mines and Minerals, the Petitioner submitted proof, exhibits, evidence and testimony in support of said Petition. Other interested parties were afforded an opportunity to be heard in connection therewith.

**FINDINGS OF FACT**

The Department of Mines and Minerals finds:

- (1) That C. E. Brehm d/b/a C. E. Brehm Drilling & Producing is the owner and operator of a substantial number of oil and gas leases in the Ewing Field, hereinafter delineated, and is thereby an interested party in the establishment of field-wide spacing for this field; and

- (2) That as of January 13, 1977 C. E. Brehm d/b/a C. E. Brehm Drilling & Producing had drilled and set casing in five wells drilled to these reservoirs, and three wells are now producing, one from the St. Louis and Upper Warsaw limestone and two from the lower Warsaw limestone; and other two are in the process of completion; and
- (3) That the Clayton Community #1 well located in the Northwest Quarter of the Southeast Quarter of the Northeast Quarter of Section 2, Township 5 South, Range 3 East, Franklin County, Illinois, the St. Louis Formation is from 3138 to 3352, the Salem Formation from 3352 to 3714, and the Warsaw Formation from 3714 to 4245 feet from the surface; and
- (4) That in the absence of a specific order of the Mining Board, the General Spacing Rule IV(1) (A) (b) is applicable which, in essence, provides for 20-acre drilling units for the production of oil or gas from a limestone formation in a pool, the top of which lies less than 4,000 feet beneath the surface; and
- (5) That C. E. Brehm d/b/a C. E. Brehm Drilling & Producing has drilled a number of wells and, based upon production and tests therefrom, and based upon other geological data, has determined that the Ewing Field is delineated and located within the following area:

Sections 35 and 36 of Township 4 South, Range 3 East, Section 31 of Township 4 South, Range 4 East, Jefferson County, Illinois; and

Sections 1, 2, the Southeast Quarter of Section 3, Sections 10, 11, 12, 13, 14, 15 and 24 of Township 5 South, Range 3 East, Sections 6, 7, 18 and 19 of Township 5 South, Range 4 East, Franklin County, Illinois,

hereinafter called the "Ewing Field"; and

- (6) That C. E. Brehm d/b/a C. E. Brehm Drilling & Producing has, by drilling oil and gas wells and conducting tests thereon, determined that one well can efficiently and economically drain a 40-acre drilling unit.

## CONCLUSIONS OF LAW

That Illinois Revised Statutes, Chapter 104, Section 82a, applies to the Petition of C. E. Brehm d/b/a C. E. Brehm Drilling & Producing and these proceedings before the Department of Mines and Minerals.

That the Department of Mines and Minerals has jurisdiction of the subject matter and the persons interested therein; that due and proper notices of the Petition and of the time, place and purpose of the hearing were given as required by law; that all interested parties were afforded an opportunity to be heard therein; and

That for the prevention of waste, to protect and enforce the correlative rights of the owners in the pool, and to prevent the drilling of unnecessary wells, this Petition should be granted.

## ORDER OF THE DEPARTMENT OF MINES AND MINERALS

It is, therefore, ordered by the Department of Mines and Minerals as follows:

(1) That the Petition of C. E. Brehm d/b/a C. E. Drilling and Producing for an order establishing field-wide drilling units of forty (40) acres of surface area, lying with a Quarter-Quarter Section of land (as established by the United States Public Land Survey made pursuant to the provisions of an Act of Congress) for wells drilled or deepened for the production of oil and gas from the St. Louis Formation, which is found at a depth from 3138 feet to 3352 feet, the Salem Formation, which is found at a depth from 3352 feet to 3714 feet, and the Warsaw Formation which is found at a depth from 3417 feet to 4245 feet from the surface, as shown on Dual Laterolog of C. E. Brehm d/b/a C. E. Brehm Drilling & Producing's Clayton Community #1 well located 990 feet North and 330 feet East of the Southwest corner of the Southeast Quarter of the Northeast Quarter of Section 2, Township 5 South, Range 3 East, Franklin County, Illinois, is hereby granted.

(2) That this Order shall cover the following described area:

Sections 35 and 36 of Township 4 South, Range 3 East, Section 31 of Township 4 South, Range 4 East, Jefferson County, Illinois; and

*Section 1 with the exception of 40 acres lying in the Northwest Quarter of the Northeast Quarter, Section 2, the Southeast Quarter of Section 3, Sections 10, 11, 12, 13, 14,*

15 and 24 of Township 5 South, Range 3 East, Sections 6, 7, 18 and 19 of Township 5 South, Range 4 East, Franklin County, Illinois.

(3) That no more than one well may be drilled on each drilling unit established by this Order.

(4) That the well drilled for each unit be located not less than three hundred thirty (330) feet from the nearest external boundary lines of the drilling unit nor less than nine hundred (900) feet from the nearest location of a producing well or well being drilled or for which a permit has previously been issued for the drilling of a well to the same individual pool.

(5) That all royalty interests within each separate drilling unit be integrated and that each Royalty Owner within the unit participate in the royalty from the well drilled thereon in the proportion to the interest owned by such Royalty Owner bears to the total of such interest in the entire unit.

(6) That whenever the topographical conditions of the drilling unit render it impractical, without unreasonable expense, to drill a well at a location in conformity with the spacing rules, the Mining Board may alter the location after investigation and verification of the topographical conditions.

(7) That in the case of irregular Sections, containing more or less than 640 acres, the Mining Board shall allow exceptions or create units in order to absorb the entire acreage in such Sections into drilling units.

DATED at Springfield, Sangamon County, Illinois, this 8th day of February, 1977, A. D.

BY ORDER OF THE STATE MINING BOARD

GEORGE R. LANE  
*Mining Board Representative*

STATE OF ILLINOIS  
DEPARTMENT OF MINES AND MINERALS  
SPRINGFIELD, ILLINOIS

In the Matter of the Petition of Laurance H. Armour, Jr., d/b/a Lamar Properties, filed pursuant to Spacing Rule (IV) (1) (A) (2) and Illinois Revised Statutes, Chapter 104, Section 82a, for a Field-wide 40-Acre Spacing Order in the Devonian Formation and the Trenton Formation for the Hardinville Field located in parts of Townships 5 and 6 North, Range 13 West, Crawford County, Illinois.

HEARING ORDER  
NO. 230

**REPORT OF THE MINING BOARD**

On November 11, 1976, Laurance H. Armour, Jr., d/b/a Lamar Properties, an Illinois corporation, authorized to do business in the State of Illinois, filed a Petition with the Department of Mines and Minerals for a field-wide 40-acre spacing Order in the Devonian Formation and the Trenton Formation for the Hardinville Field, Crawford County, Illinois.

After due notice as provided in Illinois Revised Statutes, Chapter 104, Section 82a, and by Rules of Procedure in Public Hearings for the Department of Mines and Minerals, a public hearing was held on said Petition on December 14, 1976, in the City of Springfield, Illinois. At such hearing, before the Department of Mines and Minerals, the Petitioner submitted proof, exhibits, evidence, and testimony in support of said Petition. Other interested parties were afforded an opportunity to be heard in connection therewith.

**FINDINGS OF FACT**

The Department of Mines and Minerals finds:

- (1) That Lamar Properties is the owner and operator of a substantial number of oil and gas leases in the Hardinville Field, hereinafter delineated, and is thereby an interested party in the establishment of field-wide spacing for this field; and
- (2) That in November, 1976, commercial production was established from the Devonian Formation and the Trenton Formation by Lamar Properties in the A. L. Shipman No.

1-A well, located in the Northeast Quarter of the Southeast Quarter of Section 35, Township 6 North, Range 13 West, Crawford County, Illinois; and

- (3) That the Devonian Formation and the Trenton Formation lie at a depth of less than 4,000 feet below the surface; and
- (4) That in the absence of a specific order of the Mining Board, the General Spacing Rule IV(1) (A) (b) is applicable which, in essence, provides for 20-acre drilling units for the Devonian Formation and the Trenton Formation in the Hardinville Field; and
- (5) That Lamar Properties has drilled a discovery well and, based upon production and tests therefrom, and based upon other geological data, has determined that the Hardinville Field is delineated and located within the following area:  

Sections 27, 26 and the Southwest Quarter of Section 25, Sections 34, 35 and 36, all in Township 6 North, Range 13 West; and

Section 2 and 1, in Township 5 North, Range 13 West, Crawford County, Illinois,

hereinafter called the "Hardinville Field"; and
- (6) That Lamar Properties has, by drilling the test well and conducting tests thereon, determined that one well can efficiently and economically drain a 40-acre drilling unit.

### CONCLUSIONS OF LAW

That Illinois Revised Statutes, Chapter 104, Section 82a, applies to the Petition of Lamar Properties and these proceedings before the Department of Mines and Minerals.

That the Department of Mines and Minerals has jurisdiction of the subject matter and the persons interested therein; that due and proper notices of the Petition and of the time, place and purpose of the hearing were given as required by law; that all interested parties were afforded an opportunity to be heard therein; and

That for the prevention of waste, to protect and enforce the correlative rights of the owners in the pool, and to prevent the drilling of unnecessary wells, this Petition should be granted.



## ORDER OF THE DEPARTMENT OF MINES AND MINERALS

It is, therefore, ordered by the Department of Mines and Minerals as follows:

(1) That the Petition of Laurance H. Armour, Jr., d/b/a Lamar Properties for an order establishing field-wide drilling units of forty (40) acres of surface area, lying within a Quarter-Quarter Section of land (as established by the United States Public Land Survey made pursuant to the provisions of an Act of Congress) for wells drilled or deepened for the production of oil and gas from the Devonian Formation, the top of which is found at 2,520 feet, and from the Trenton Formation, the top of which is found at 3,854 feet, as shown on the Dual Induction Laterolog of Lamar Properties' A. L. Shipman No. 1-A well located 400 feet North and 330 feet East of the Southwest corner of the Northeast Quarter of the Southeast Quarter of Section 35, Township 6 North, Range 13 West, Crawford County, Illinois, is hereby granted.

(2) That this Order shall cover the following described area:

Sections 27, 26 and the Southwest Quarter of Section 25, Sections 34, 35 and 36, all in Township 6 North, Range 13 West; and

Sections 2 and 1, in Township 5 North, Range 13 West, Crawford County, Illinois.

(3) That no more than one well may be drilled on each drilling unit established by this Order.

(4) That the location of the well shall be not less than three hundred thirty (330) feet from the nearest external boundary lines of the drilling unit nor less than nine hundred (900) feet from the nearest location of a producing well or well being drilled or for which a permit has previously been issued for the drilling of a well to the same individual pool.

(5) That all royalty interests within each separate drilling unit be integrated and that each Royalty Owner within the unit participate in the royalty from the well drilled thereon in the proportion to the interest owned by such Royalty Owner bears to the total of such interest in the entire unit.

(6) That whenever the topographical conditions of the drilling unit render it impractical, without unreasonable expense, to drill a well at a location in conformity with the spacing rules, the Mining Board may alter the location after investigation and verification of the topographical conditions.

(7) That in the case of irregular Sections, containing more or less than 640 acres, the Mining Board shall allow exceptions or create units in order to absorb the entire acreage in such Sections into drilling units.

DATED at Springfield, Sangamon County, Illinois, this 4th day of January, 1977, A. D.

BY ORDER OF THE STATE MINING BOARD

GEORGE R. LANE

*Mining Board Representative*





